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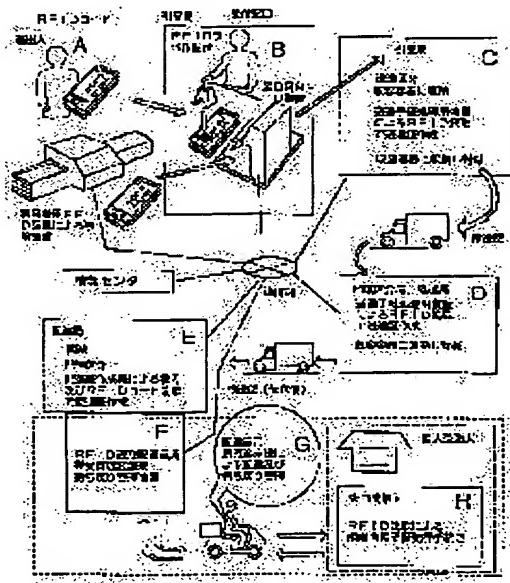
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(54) DELIVERY ARTICLE DEALING PROCEDURE AND PROCESSING AND MANAGEMENT METHOD AND DEVICE THEREFOR

(57) Abstract:

PROBLEM TO BE SOLVED: To attain the quickening, power saving, high efficiency, and rationalization of a processing task by attaching an RFID functioning device with a communicating function to an accepted delivery article such as a mail.



SOLUTION: In an accepting station, an RFID label (RFID functioning device) is attached to a mail, and a symbol number code for tracing and managing a dealing particle (RFID code) is written and stored in an RFID label by an RFID device for a window. In the accepting station, transmission blocking is operated, and the RFID code is read by the RFID device so that a transmission certificate can be prepared, and attached to a transmission mail. In a local

blocking station and a transfer station, the transmission blocking of a mail is operated, and the RFID code is read so that the transmission certificate can be prepared, and attached to the transmission mail. In a delivery station, the delivery blocking of the mail is operated, and the RFID code is read so that a delivery certificate can be prepared. The sectioned mail is transferred to a receiver by a delivery man.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the delivery article handling procedure, the processing, management method, and equipments in thing entrusted article delivery business etc., such as mail and parcel delivery service.

[0002]

[Description of the Prior Art] In the delivery article handling procedure, the processing, and the managerial system in delivery article trust handling businesses, such as a registered mail object by the Prior art, a parcel post, and parcel delivery service A label, a cut-form, etc. which printed marking codes, such as a bar code of the notation number concerned, in the handling article trace administrative notation number list by carrying out pasting attachment etc. on the front face of a delivery article handling object Data, such as a handling article trace administrative notation number code, are registered and received by giving a handling article trace administrative notation number, and reading with the marking code reader using an infrared light line, a laser beam, etc. Although trust delivery article handling procedure, processing, and management of the taking over in a conveyance path, delivery, a follow-up survey, etc. were performed In the case of the approach by this conventional marking code reading The part to which the marking code of a handling object front face is given is made to counter with a reader. One copy, Marking code reading must be performed one by one for every piece, and the help was also for one copy and the activity of handling one by one for every piece to be required, for there to be a limitation in processing speed, in order to take time and effort, and to require. For this reason, when the number of objects of a handling article concentrated, there were problems, such as delay and generating of a mistake.

[0003] Moreover, the amount of data which can be recorded to a marking code is not made from constraint of size etc. not much greatly, and also what puts other information

other than a handling article trace administrative notation number code together from constraint that printing performs marking code grant cannot be performed. the constraint on the engine performance of a marking code reader to printing grace specification needs to be restricted -- etc. -- to a sake Problems -- even if technical adjustment, such as an inequality in the printing grace side of address information printing and handling article trace administrative notation number code printing by the addressing machine equipped by the user side, is difficult and wants to perform simultaneous printing grant of a marking code, it cannot do in many cases etc. -- are not solved, It is also a problem in a Prior art for the rate of grant of a marking code to have not increased, but to have become imperfection also as a tracking system, since the viewpoint which attains convenience by the side of a user and rationalization had the field of having become desertion from on the system configuration. Moreover, since the approach by the Prior art takes many helps, it can be told to the time of the youth labor sharp decrease in future our country that the problem of probably probably stopping having consistency is also by ****.

[0004] Moreover, in the case of the approach by the marking code grant by the Prior art About the location which reads when it constitutes equipments, such as an automaton, a self-service machine, etc. for delivery article handling procedure, such as a registered mail object and a parcel post, and gives a marking code from the upper skill constraint, the front flesh side of a delivery article handling object, In using the automaton and self-service machine for delivery article handling procedure which there is a problem that it cannot read if a limit is not added about a location, a direction, etc., and consisted of under such constraint Stick, minding in the pasting location and direction of a label with a marking code, or Since the burden on the actuation which it is necessary one copy at a time for equipment to carry out close, and is given to the user of equipment was large and much time amount of processing of a connoisseur becomes long, being cautious of a direction, The merit which uses a self-service machine was lost, the user decreased and there was also a problem of not being useful in solution of the queue in a window.

[0005] moreover , since the delivery article handling procedure and processing / management equipment which be beforehand equip with the means and the equipment it be made useful [equipment] also to a mechanization of the allocation in internal organizations , such as an enterprise of a destination , and delivery taking over procedure operation using data , such as a handling article trace administrative notation number code , as a means of a system configuration , and planned a user convenience be considered as a Prior art , either , it be the technical problem make into

desertion .

[0006] Moreover, it depended and had to the transfer, the turnover to a destination and the absence, the receipt refusal, etc. in delivery member operation, and there was nothing also in return and the delivery article handling procedure and processing / management equipment whose follow-up survey completely enabled until registered operation hysteresis information into the personal digital assistant machine also until it had and resulted in taking over in the station and the administration building after return, and it collected trace information, it transmitted handling article trace data to the handling article trace management pin center, large etc. and it resulted in the completion of delivery.

[0007]

[Problem(s) to be Solved by the Invention] Carrying out a deer The administrative notation number stuck on the front face of the object article currently used in the equipment by the above Prior arts in marking codes, such as a bar code In order to perform data reading in delivery article handling procedure and processing / management equipment in the approach of reading the set-up administrative notation number label optically, forming it into electronic data information, and performing data registration In order to have to carry out the sequential handling of the ***** delivery article handling object for every piece, it will depend for processing speed on a handling rate. Since there was a problem that ***** could not be raised so much when handling was mechanized, it is the technical problem of this invention to solve it and to raise processing speed by leaps and bounds.

[0008] Since various printing methods are used for the addressing machine which the marking code printing grace specification of the administrative notation number label which is needed from the constraint on the engine performance of a reader needs a high level in the marking code activity in the conventional approach , but the user generally uses , in marking code printing quality , the actual condition is changing with a rose mostly , and as long as it is difficult to take matching with a reader and it dependent on a printing technique , it can say that a problem solving is impossible . In order that spread may not progress in spite of handling article trace administrative notation number code prior grant recommendation on the delivery articles of large quantity presenting by the bulk user for such a trouble, it is also the technical problem of this invention to attain easy-ization of handling article trace administrative notation number code prior grant because of solution of the problem that the handling article trace managerial system is not fully achieved in the function.

[0009] The conventional registered mail object, The amount of data which can be

recorded on the marking code used in delivery article handling procedure and processing / management equipments, such as a parcel post, to a small top by printing It is impossible to enable it to also record the information data by the side of a user together out of the handling article trace administrative notation number code for using by the delivery article trust handling entrepreneur side, such as a post office, to the marking code concerned for constraint of giving a marking code. There is also a problem that possibilities are not expectable and solution of such a field is also the technical problem of the invention in this application.

[0010] It is [linking / using the information data of the handling article trace administrative notation number code for using by the delivery article trust handling entrepreneur side in delivery article handling procedure and processing / management equipments, such as the conventional registered mail object and a parcel post or others / to the delivery article handling procedure, the processing, and the managerial system by the side of a delivery article trust handling entrepreneur also about the allocation taking-over operation in macrostomia destinations, such as the business object of a destination, and enabling it to also perform operation processing, and] the technical problem of the invention in this application.

[0011] Return procedure [have and] the exchange list of the delivery operation by making a delivery member carry a personal digital assistant machine in delivery article handling procedure and processing / management equipments, such as the conventional registered mail object and a parcel post, -- the delivery between destinations -- Although what performs trace management until it results in the taking over transfer operation after feedback to a station or an administration building was not performed It is also the technical problem of this invention to enable these follow and exchange of delivery member operation, and to make possible delivery article handling procedure and processing / management equipment which was made to perform trace management to the last, and aimed at improvement in security nature. [various kinds of]

[0012] Implementation of the new service by making a delivery member carry a personal digital assistant machine in delivery article handling procedure and processing / management equipments, such as the conventional registered mail object and a parcel post, for example, the trace management from the acceptor continuation phase in delivery article collection operation, It is also the technical problem of this invention that having the personal digital assistant machine with which making an additional post of new service operation, such as operation other than delivery article handling, for example, collection-and-delivery golden operation, and a home country parcel award agreement, hold was equipped possible, and using for effective use of a

delivery member and activation makes it possible.

[0013] This invention solves such a conventional problem, prevents delay of an activity and generating of a mistake, and aims at offering the delivery article management method which can work promptly, and its equipment. This invention puts other information other than a handling article trace administrative notation number code together, and aims at offering the delivery article management method which can realize various processings, and its equipment again. This invention aims at offering the delivery article management method which can perform easily prior grant of a handling article trace administrative notation number code, and can perform handling article trace management easily again, and its equipment. This invention aims at ordinary users offering the delivery article management method which can use a self-service machine easily, and its equipment again. This invention aims at offering the delivery article management method can save labor delivery operation and the efficiency of can be increased, and its equipment again.

[0014]

[Means for Solving the Problem] In order to attain the above-mentioned object, this invention the RFID functional equipment with communication facility using RFID (Radio Frequency Identification) which memorized the handling article trace administrative notation number code By sticking on trust delivery articles, such as a registered mail object and a parcel post, window undertaking by the presenting preparation office work phase by the side of a user to the delivery article handling entrepreneur, It is made to realize by performing data communication with the FRID functional equipment on which operation, such as delivery, delivery, a follow-up survey, other paperwork, and allocation retaining processing in a macrostomia destination, was stuck by the trust delivery article. Thereby, speeding up of the processing operation in various scenes from undertaking of a delivery article to delivery, laborsaving, reveal[no]izing, increase in efficiency, and rationalization can be attained.

[0015]

[Embodiment of the Invention] Invention of this invention according to claim 1 receives the front face of delivery article handling objects, such as a registered mail object and a parcel post. the RFID communication link transponder which it had so that the informational writing and the read of ID data for RFID etc. could be performed -- and RFID functional equipment equipped with a handling article trace administrative registration-symbol number code and the record memory storage function section of other information data -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form by carrying out

pasting attachment etc. to a delivery article handling object It considers as the RFID functional equipment for handling objects. So that so aforementioned the information data can be communicated to the RFID functional equipment for handling objects concerned It has many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. by equipping the interrogator list for a RFID communication link carried out with a computer as a means of a system configuration. The presenting prior preparation clerical work procedure which the bulk user who entrusts delivery articles, such as a registered mail object and a parcel post, with many equipments concerned performs, The delivery procedure inside the PD trust entrepreneurs between a window acceptor continuation and a post office etc., Delivery procedure, delivery **** return processing procedure, accident follow-up survey procedure, the allocation in the entrepreneur of a destination, Delivery article handling procedure - which enabled it to perform operation processing and procedure promptly by having had the means which enabled it to perform other clerical work procedure processings Processing . It is a management method. By writing in a need matter by RFID communication facility to RFID functional equipment, and reading it For example, the presenting prior preparation clerical work procedure which the bulk user who entrusts delivery articles, such as a registered mail object and a parcel post, performs, The delivery procedure inside the PD trust entrepreneurs between a general window acceptor continuation and a post office etc., It has the operation which can perform promptly delivery procedure, delivery **** return processing procedure, self-follow-up survey procedure, allocation procedure in the entrepreneur of a destination, and clerical work procedure in each phase from others' undertaking to delivery.

[0016] The interrogator for a RFID communication link with which invention of this invention according to claim 2 enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects in claim 1, The window acceptor continuation performed inside the delivery article handling trust entrepreneur in the computer etc. by many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. in preparation for a list, The delivery procedure inside the delivery article handling trust entrepreneurs between post offices etc., delivery procedure, While transmitting the information data about operation procedure, such as operation procedure, such as delivery **** return processing procedure and accident follow-up survey procedure, or the handling object with the RFID functional equipment for handling objects dealt with to an information center and collecting the information

concerned to the storage of the computer of an information center Delivery article handling procedure - which enabled it to also perform prior transfer of delivery information Processing . It is a management method and has the operation which can perform delivery article management smoothly and efficiently by carrying out package management of various information data in an information center.

[0017] Invention of this invention according to claim 3 is set to claim 1. So that the writing and reading of information of ID data for RFID etc. can be performed as RFID functional equipment for handling objects in claim 1 Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article administrative registration-symbol number code which it had, and the handling article trace administrative registration-symbol number code for handling object management is written in with the equipment for handling operation procedure processing by claim 1. And delivery article handling procedure and processing - which uses the handling article trace administrative registration-symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the handling article trace administrative registration-symbol number code of a legible handling object etc. It is a management method. It has the operation which can recognize a handling article trace administrative registration-symbol number code also with the naked eye.

[0018] Invention of this invention according to claim 4 is set to claim 3. Besides the write-in record section of a handling article trace administrative registration-symbol number code Have RFID functional equipment added and equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure - which uses the handling article trace administrative registration-symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the legible handling article trace administrative registration-symbol number code etc. Processing - It is a management method. It has the operation which can recognize the information on a handling article trace administrative registration-symbol number code or others also with the naked eye.

[0019] Invention of this invention according to claim 5 is set to claim 1. So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects in claim 1 Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative

registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure - which uses the cut-form with a handling article trace administrative registration-symbol number code in which it was the same as that of the code concerned, and human being performed the writing or printing of destination people's address and name other than printing, such as a legible handling article trace administrative registration-symbol number code, Processing - It is a management method. It has the operation which can recognize a handling article trace administrative registration-symbol number code also with the naked eye.

[0020] Invention of this invention according to claim 6 is set to claim 5. Others [record section / of a handling article trace administrative registration-symbol number code / write-in], Have RFID functional equipment equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure - which uses the cut-form with a handling article trace administrative registration-symbol number code in which it was the same as that of the code concerned, and human being printed the legible handling article trace administrative registration-symbol number code etc. Processing - It is a management method. It has the operation which can recognize the information on a handling article trace administrative registration-symbol number code or others also with the naked eye.

[0021] Invention of this invention according to claim 7 is set to claim 1. So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure - which uses the mailing label with a handling article trace administrative registration-symbol number code to which it was the same as that of the code concerned, and human being performed the writing of destination people's address-and-name information and printing of the information concerned other than printing, such as a legible handling object administrative registration-symbol number code, Processing - It is a management method. It has the operation which can recognize a handling article trace administrative registration-symbol number code also with the naked eye.

[0022] Invention of this invention according to claim 8 is set to claim 7. Further to the RFID functional equipment for handling objects A registered mail object, Delivery article handling procedure - which uses the RFID functional equipment for handling objects added and equipped with the information write-in field which the user who entrusts delivery article handling objects, such as a parcel post, performed information writing freely, and the user side carried out as [be / usable] Processing - It is a management method. It has the operation which can recognize the information on a handling article trace administrative registration-symbol number code or others also with the naked eye.

[0023] Invention of this invention according to claim 9 is set to claim 1 thru/or claim 8. The delivery article trust entrepreneur side between post offices etc. records a handling article trace administrative registration-symbol number code on the RFID functional equipment for handling objects with the equipment for handling operation procedure processing for the entrepreneurs concerned so much. The code concerned A registered mail object, Delivery article handling procedure - which locks by the code and others and uses the strange RFID functional equipment for handling objects for which information is improper, and which it had like so that it cannot alter to the user side who entrusts delivery articles, such as a parcel post, they are processing and a management method. It is in the middle of delivery, and has a miscarriage of the delivery article by data being altered, delayed payment of wages, stray, and the operation that can prevent missing **.

[0024] Invention of this invention according to claim 10 is set to claim 1 thru/or claim 9. RFI for handling objects D functional equipment is further added and equipped with the registration record section of codes for delivery article handling object partition processing, such as a zip code. Delivery article handling procedure - which uses the RFID functional equipment for handling objects which it had so that it could process by reading the code concerned in many equipments, such as partition processing operating, such as mail, Processing - It is a management method and has the operation which can classify a delivery article smoothly and promptly.

[0025] Invention of this invention according to claim 11 is set to claim 1 thru/or claim 10. Although both-way both facilities make a handling object handling administrative registration-symbol number code the same notation number when a **** addresser side also considers **** as the audit-trail handling of a registered mail etc. at the RFID functional equipment for handling objects in PD handling objects, such as mail further for a both-way communication link By having so that the code for distinction of **** or **** may be added It sets up so that the ** may be treated for the code for distinction of

one of the two's **** as cancellation and operation processing may be performed, even if both are simultaneously read in the process of PD handling processing of the mail for a both-way communication link etc. in ****. Delivery article handling procedure - treated as proper [in ****, only a handling object administrative registration-symbol number code with the distinction code of **** will be read by the handling operation procedure processor in the process of PD handling processing, but] Processing - It is a management method. Although a handling object administrative registration-symbol number code is made into the same notation number also as both-way facilities when a **** addresser side also considers **** as the audit-trail treatment of a registered mail etc. Even if both are simultaneously read by adding the code for distinction of **** or **** in ****, it has the operation which can distinguish which [of **** or ****] it is in code for both-way facilities distinction.

[0026] Invention of this invention according to claim 12 is set to claim 1 thru/or claim 11. It has the data registration storage region of destination address-and-name information further to the RFID functional equipment for handling objects. Delivery article handling procedure - which uses the RFID functional equipment for handling objects which enabled it to perform handling procedure, processing, and management of a registered mail, a parcel post, etc. by using the information data concerned Processing - It is a management method. By using destination address-and-name information data, it has the operation which can ensure the check of the destination.

[0027] Invention of this invention according to claim 13 writes in the code concerned in claim 1 thru/or 12 to the data registration field for handling article trace administrative notation number codes in the RFID functional equipment for handling objects with the equipment by the side of PD handling entrepreneurs, such as a facilities office. The RFID function equipment for handling objects it or subsequent ones -- the write-in code concerned -- delivery article handling -- on the way -- it is alike, it sets and an alteration is impossible -- as -- the writing to the registration field concerned, and modification -- receiving -- locking -- reading -- possible -- having made -- finishing [it is dealt with and / article administrative notation number code registration] -- A cut-form [finishing / attachment of the equipment concerned], a label, an envelope, a postcard, the box for parcels, etc. Or a registered mail object, Delivery article handling procedure - which supplies the user who entrusts delivery article handling objects, such as a parcel post, obtrudes the supply concerned when a carrier beam user reads the code concerned with the equipment for users, and was made to perform a prior preliminary treatment Processing - It is a management method. It has the operation which can perform the prior preliminary treatment by the user easily.

[0028] Invention of this invention according to claim 14 with the equipment by the side of the user who had the RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects A registered mail object, In an application list, [between delivery article handling entrepreneur sides, such as a post office,] the user side who entrusts delivery article handling objects, such as a parcel post, in procedure, such as acknowledgement The fixed PD handling object administrative registration-symbol number code within the limit which set and was given to the user side is written in to the storage region for handling article trace administrative notation number code registration of the RFID functional equipment for handling objects by claim 1 thru/or claim 12. It is alike and set, and lock to the writing to the registration field concerned, or modification, and only reading is possible and it makes so that an alteration may be impossible. it or subsequent ones -- the write-in code concerned -- PD handling -- on the way -- And while it is simultaneously the same as that of the code concerned, and creating the handling object [finishing / handling article trace administrative notation number code registration / by having had] for handling objects with RFID functional equipment so that human being may print a legible handling object administrative registration-symbol number code etc. with the equipment by the side of a user Delivery article handling procedure - which was made to perform prior preparation creation of a receipt Processing - It is a management method and has the operation which can perform procedure processing by the bulk user smoothly and efficiently.

[0029] Invention of this invention according to claim 15 So that information data can be communicated to the RFID functional equipment for handling objects By equipping the interrogator list for a RFID communication link carried out with a computer etc. or [reading the handling article trace administrative notation number code already written in from claim 1 to the RFID functional equipment for handling objects by claim 12 by the equipment by the side of the delivery article trust handling entrepreneur having a RFID data communication information processing function etc.] -- or When a handling article trace administrative notation number code writes in a handling article trace administrative notation number code from non-registered claim 1 to the RFID functional equipment for handling objects by claim 12, a registered mail object, Delivery article handling procedure - which publishes the receipt of delivery article handling objects, such as a parcel post, and was made to perform trust procedure Processing - It is a management method and has the operation which can perform procedure processing at the undertaking window smoothly and efficiently.

[0030] Invention of this invention according to claim 16 is set to claim 15. A registered mail object, Text indicated by the mailing label directly attached to the front face of delivery article handling objects, such as a parcel post, the cut-form, etc., such as address information and a zip code, by OCR etc. Delivery article handling procedure which was made to perform receipt issuance of a delivery article handling object using the information read and acquired and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects Processing - It is a management method. It has the operation which can perform receipt issuance procedure processing smoothly and efficiently.

[0031] Invention of this invention according to claim 17 is set to claim 15. A registered mail object, On the front face of delivery article handling objects, such as a parcel post Directly Or in a mailing label, a cut-form, etc. which are attached Text indicated, such as address-and-name information and a zip code The image incorporation by all copies or partial extract copy A line is delivery article handling procedure which was made to perform receipt issuance of a delivery article handling object using the obtained copy" image information and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects. Processing - It is a management method. It has the operation which can perform receipt issuance procedure processing smoothly and efficiently.

[0032] Invention of this invention according to claim 18 is set to claim 15. A registered mail object, To delivery article handling objects, such as a parcel post The communications aerial of the interrogator for a RFID communication link for reading data, such as a handling article trace administrative notation number code by which data registration is carried out, to the attached RFID functional equipment for handling objects two or more delivery articles for handling objects with RFID functional equipment on a large scale to the Perilla frutescens (L.) Britton var. crispa (Thunb.) Decne. communication link within the circle If it reads by placing, directions actuation To within the circle [concerned] To the placed handling object To the RFID functional equipment for handling objects attached Reception procedure processing of two or more delivery articles for handling objects with RFID functional equipment which read automatically data, such as a handling article trace administrative notation number code currently recorded, and were put on the communication link within the circle of the large-sized RFID communications antenna concerned in continuation high-speed reading Delivery article handling procedure - it enabled it to perform promptly Processing - It is a management method, and if it is communication link within the circle [of RFID functional equipment], much RFID functional equipments can be

continuously read at a high speed, and it has the operation which can perform procedure processing smoothly and efficiently.

[0033] The interrogator for a RFID communication link with which invention of this invention according to claim 19 enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects, The registered mail object equipped with the computer etc. for the RFID data communication information processing function etc. as a means in preparation for a list, If it considers as the self-service machine for an automatic undertaking procedure of delivery article handling objects, such as a parcel post, and the delivery article handling object with the RFID functional equipment for handling objects by claim 1 thru/or claim 12 grade is thrown in Automatic reading of the information data of the handling article trace administrative notation number code registered into the data logging storage section of the RFID functional equipment of the object concerned and others is performed. And automatical measurement measuring of the dimension of a handling article required for calculation of a delivery article handling tariff, weight, etc. is performed. According to assignment of handling classification, a destination zone, etc., it is made to calculate a ***** handling tariff automatically. The IC card for a tariff account which it had cash or in order to step on and for an agreement with the PURIPEDO card of a card and others or a delivery article trust handling entrepreneur to perform a tariff account audit, The charge of a I D card etc. performs a tariff clearing procedure. A registered mail object, Delivery article handling procedure - which was made to take over delivery articles, such as a parcel post, Processing - It is a management method. It has the operation which can perform undertaking procedure processing by a user's self-service by reading RFID functional equipment and performing a tariff audit by the charge of the IC card for a tariff account, an ID card, etc. to the computed delivery article handling tariff.

[0034] The handling object registered mail object with the RFID functional equipment for handling objects with which invention of this invention according to claim 20 is carried in from a reception window or an inbound flight, Acceptance of delivery article handling objects, such as a parcel post The reading result of the RFID functional equipment of transfer / delivery information using the information by the RFID function obtained at the time of undertaking by the means by claim 15 thru/or claim 18 grade or the claim 19 grade self-service machine when carrying out etc., and the carried-in handling object is collated. An acceptance inspection, Delivery article handling procedure - which was made to check Processing - It is a management method and has the operation which can perform an acceptance-inspection procedure smoothly and

efficiently.

[0035] Invention of this invention according to claim 21 A registered mail object, So that information data can be communicated to the RFID functional equipment for handling objects to the partition machine used in the delivery partition operation of delivery article handling objects, such as a parcel post By equipping the interrogator list for a RFID communication link carried out with a computer etc. Delivery article handling procedure - which created the delivery certificate and slip for every partition by reading the RFID functional equipment for handling objects in the stroke of a delivery partition by having a RFID data communication information processing function etc. Processing - It is a management method. It has the operation which can perform smoothly and efficiently creation processing of the delivery certificate for every partition and a slip.

[0036] Invention of this invention according to claim 22 is in the condition contained in the receipt case or the postbag by the delivery partition settled. So that data, such as a handling article trace administrative notation number code of a handling object with RFID functional equipment, can be read Delivery article handling procedure - which created the delivery certificate and the slip by having a RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which it had Processing - It is a management method. It has the operation which can perform smoothly and efficiently creation processing of the delivery certificate for every partition and a slip..

[0037] Invention of this invention according to claim 23 is delivery article handling procedure - which performs data registration to a delivery certificate with a RFID function, or a slip with a RFID function in claim 21 thru/or claim 22 using the information acquired by the equipment concerned, and was made to perform creation of a delivery certificate with a RFID function, or a slip. Processing - It is a management method and has the operation which can manage the delivery article for every partition easily.

[0038] As opposed to a slip and a tag equipped with the RFID function the data based on claim 23 were mentioned in whose invention of this invention according to claim 24 The postbag and receipt case for delivery article handling object receipt, Or delivery article handling procedure - which uses the slip equipped with the function which carries out the seal of the stowage container concerned to stowage containers, such as a roll pallet and a container, by [concerned] carrying out wearing attachment, and a tag Processing - It is a management method and has the operation which can use a slip as a seal member.

[0039] Invention of this invention according to claim 25 the slip equipped with the RFID

function in which the data based on claim 23 were mentioned The postbag and receipt case for delivery article handling object receipt, Or the stowage container concerned is equipped with the electrode holder for holding to stowage containers, such as a roll pallet and a container. The slip held at the electrode holder concerned is delivery article handling procedure - to which the seal of the slip which appeared from the outside surface, and had so that reading of the inclusion data of a RFID function might be possible, and was held at the electrode holder, and the hold container itself was made to be carried out together. Processing - It is a management method. It has the operation which can use a slip as a seal member.

[0040] When loading into the car of transport facilities the delivery article handling object for objects with RFID functional equipment which substituted delivery procedure processing for the equipment by claim 21 thru/or claim 25, while invention of this invention according to claim 26 reads the identification code attached to the car A computer etc. by reading RFID data, such as RFID functional equipment for handling objects, a delivery certificate with a RFID function, or a slip with a RFID function, in preparation for the interrogator list for a RFID communication link to the gate established in the delivery article handling object loading to a car Delivery article handling procedure - which was made to carry out the delivery information transmission of the loading information equipped with the RFID data communication information processing function to a delivery place Processing - By being a management method and transmitting loading related information to a delivery place before arrival of a delivery article It has the operation which can perform acceptance procedure processing at a delivery place smoothly and efficiently.

[0041] Invention of this invention according to claim 27 According to the procedure processing process by reading of a delivery article handling object with RFID functional equipment performed by the means by claim 21 thru/or claim 26 With data, such as a handling article trace administrative notation number code obtained Delivery article handling procedure - which collates the reading data of the acquired inbound flight related precedence information and the delivery article handling object with RFID functional equipment unloaded from the inbound flight which actually arrived, and was made to carry out inspection inspection of the propriety of the content of an arrival Processing - It is a management method. It has the operation which can perform the acceptance-inspection procedure in a delivery place smoothly and efficiently.

[0042] Invention of this invention according to claim 28 is equipped with a RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate

information data to the RFID functional equipment for handling objects. Delivery article handling procedure - which created the delivery receipt and this Hara mark by reading data, such as a handling article trace administrative notation number code of the RFID functional equipment for handling objects, Processing - It is a management method. It has the operation which can perform smoothly and efficiently creation processing of a delivery receipt and this Hara mark.

[0043] Invention of this invention according to claim 29 By reading the destination address-and-name information registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 12 Delivery article handling procedure - which was made to perform the delivery partition (classification according to destination) of the RFID functional equipment accessory style handling object for handling objects automatically Processing - It is a management method and has the operation which can perform the delivery partition of a delivery article smoothly and efficiently.

[0044] Invention of this invention according to claim 30 is set to claim 29. By reading data registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 12, such as destination address-and-name information and a handling article trace administrative notation number code Delivery article handling procedure - which was made to perform the delivery receipt of the RFID functional equipment accessory style handling object for handling objects concerned, and this Hara mark creation Processing - In management method claim 29 By reading data registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 12, such as destination address-and-name information and a handling article trace administrative notation number code Delivery article handling procedure - which was made to perform the delivery receipt of the RFID functional equipment accessory style handling object for handling objects concerned, and this Hara mark creation Processing - It is a management method and has the operation which can perform smoothly and efficiently delivery partition of a delivery article, and creation processing of a delivery receipt and this Hara mark.

[0045] Invention of this invention according to claim 31 is delivery article handling procedure - which was made to carry out automatic creation of the cut-forms for handing out procedure, such as a transfer vote delivered to the delivery person concerned in claim 28 thru/or claim 30 in case delivery article handling objects, such as

a registered mail object and a parcel post, are delivered to a delivery person. Processing

- It is a management method and has the operation the creation processing of the cut-form for handing out procedure can be carried out smoothly and efficiently.

[0046] Invention of this invention according to claim 32 is delivery article handling procedure - which read continuously the RFID functional equipment for handling objects concerned while moving two or more delivery article handling objects contained in claim 15 thru/or claim 31 in the case laid on the conveyance conveyor , or the bag . Processing - It is a management method and has the operation which can read RFID functional equipment smoothly and efficiently .

[0047] Invention of this invention according to claim 33 is set to claim 1 thru/or claim 2. A delivery member is made to carry the Personal Digital Assistant equipped with the reading function and data I/O function to the FRID functional equipment for handling objects concerned in the time of delivery article delivery. Delivery article handling procedure - which were and inputted it made to output data at any time Processing - It is a management method. It depends and has in a turnover to transfer or a destination, an absence, receipt refusal, etc. in delivery member operation, and has return and the operation which can work smoothly and efficiently until it has and results in taking over in the station and administration building after return.

[0048] In claim 33, invention of this invention according to claim 34 carries personal digital assistant equipment equipped with the reading function of the RFID functional equipment for handling objects, in case a delivery member is delivery. In a destination data, such as a handling article trace administrative notation number code of a handling object with the RFID functional equipment for handling objects, in an addressee's presence with the personal digital assistant equipment concerned Have an addressee check the data displayed on the display of data reading ***** equipment, and it considers as the electronic information receipt which inputted the receipt sign according to the hand entry force etc., and registered it as completion data of delivery. Delivery article handling procedure - which transmits the completion data of delivery concerned to a main phone, and was gathered for which information and managed from the main phone concerned to the information center etc. when it returned to an administration building Processing - It is a management method and has the operation which can create an electronic receipt smoothly and efficiently.

[0049] Invention of this invention according to claim 35 is set to claim 33 thru/or claim 34. The card with an addressee address recognition code for delivery procedure which it had in the door of a destination addressee's housing building entry, In preparation for the outside of the door of the housing building entry concerned, have in a list, and it has

the reading function of the card with a code for addressee address recognition for return procedure. Delivery article handling procedure - which absent delivery note issuance etc. has in a delivery procedure list, and was made to perform return procedure by [of the code for addressee address recognition] carrying out data inclusion Processing - It is a management method. It has the operation which can perform smoothly and efficiently delivery procedure and absent delivery note issuance procedure processing.

[0050] Invention of this invention according to claim 36 is set to claim 33 thru/or claim 35. It has a data registration write-in function part to RFID functional equipment. Delivery article handling procedure - which was made to publish an absent-with RFID functional equipment delivery note by writing in advice information of absent delivery to an absent-with RFID functional equipment delivery note by the function part concerned Processing - It is a management method. By publishing an absent-with RFID functional equipment delivery note, a machine can perform subsequent processing easily.

[0051] An addressee brings the absent-with RFID functional equipment delivery note by which invention of this invention according to claim 37 was published with the personal digital assistant for delivery members in claim 36 in administration buildings, such as a post office. The handling object for handling objects with RFID functional equipment which is equivalent to the note concerned when it supplies to the absent-with RFID functional equipment delivery note carrier inlet port of the automatic turnover equipment with a RFID functional equipment reading function corresponding to an absent-with RFID functional equipment delivery note Delivery article handling procedure - handed over automatically Processing - It is a management method and has the operation which can search a delivery article easily.

[0052] Invention of this invention according to claim 38 In the place of business as a macrostomia recipient of the handling object with the RFID functional equipment for handling objects by claim 33 thru/or claim 37 etc. The handling article trace administrative notation number code registered into the RFID functional equipment of the handling object concerned when classifying each post and performing operation of allocation taking over, Delivery article handling procedure - which succeeds by reading other recorded data and enabled it to perform transfer procedure, a category, etc. Processing - It is a management method and has the operation which can perform easily taking over transfer procedure, a category, etc. in a bulk user.

[0053] invention of this invention according to claim 39 be delivery article handling procedure - which be make to recognize the ID code of the operator of equipment with the means of an ID card and others , record the code concerned in claim 1 thru/or claim

38 with data , such as an equipment code , a handling date , and a handling article trace administrative notation number code , and be transmitted to a management pin center,large as follow-up survey data . processing - it be a management method and it have the operation which can clarify business management and the location of charge .

[0054] While invention of this invention according to claim 40 transmits the information data about the handling object acquired in the operation processing process to an information center in claim 1 thru/or claim 39 The information data concerned are transmitted to beforehand [of arrival of the handling object to a delivery place] the information-center course concerned or directly at the delivery place of a handling object. Delivery article handling procedure - which could be made to carry out information acquisition of the classification of the handling object to send, the number of objects, time, and the information on other as prior information on handling object arrival Processing - By notifying beforehand the data which are a management method and were collected to a delivery place It has the operation which can perform acceptance procedure easily.

[0055] Invention of this invention according to claim 41 receives the front face of delivery article handling objects, such as a registered mail object and a parcel post. the RFID communication link transponder which it had so that the informational writing and the read of ID data for RFID etc. could be performed -- and RFID functional equipment equipped with a handling article trace administrative registration-symbol number code and the record memory storage function section of other information data -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form by carrying out pasting attachment etc. to a delivery article handling object It considers as the RFID functional equipment for handling objects. So that so aforementioned the information data can be communicated to the RFID functional equipment for handling objects concerned It has many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. by equipping the interrogator list for a RFID communication link carried out with a computer as a means of a system configuration. The presenting prior preparation clerical work procedure which the bulk user who entrusts delivery articles, such as a registered mail object and a parcel post, with many equipments concerned performs, The delivery procedure inside the PD trust entrepreneurs between a window acceptor continuation and a post office etc., Delivery procedure, delivery **** return processing procedure, accident follow-up survey procedure, the allocation in the entrepreneur of a destination, Delivery article handling procedure - which it had so that operation processing and procedure could be promptly

performed by having had the means which enabled it to perform other clerical work procedure processings Processing . It is management equipment. By writing in a need matter by RFID communication facility to RFID functional equipment, and reading it For example, the presenting prior preparation clerical work procedure which the bulk user who entrusts delivery articles, such as a registered mail object and a parcel post, performs, The delivery procedure inside the PD trust entrepreneurs between a general window acceptor continuation and a post office etc., It has the operation which can perform promptly delivery *****, delivery **** return processing procedure, self-follow-up survey procedure, allocation procedure in the entrepreneur of a destination, and clerical work procedure in each phase from others' undertaking to delivery.

[0056] The interrogator for a RFID communication link with which invention of this invention according to claim 42 enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects in claim 41, The window acceptor continuation performed inside the delivery article handling trust entrepreneur in the computer etc. by many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. in preparation for a list, The delivery procedure inside the delivery article handling trust entrepreneurs between post offices etc., delivery procedure, While transmitting the information data about operation procedure, such as operation procedure, such as delivery **** return processing procedure and accident follow-up survey procedure, or the handling object with the RFID functional equipment for handling objects dealt with to an information center and collecting the information concerned to the storage of the computer of an information center Delivery article handling procedure - equipped with the information system equipped with the information communication network which it had so that prior transfer of delivery information could also be performed as a means of a system configuration Processing . Are management equipment and various information data by carrying out package management in an information center It has the operation which can perform delivery article management smoothly and efficiently.

[0057] Invention of this invention according to claim 43 is set to claim 41. So that the writing and reading of information of ID data for RFID etc. can be performed as RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article administrative registration-symbol number code which it had, and the handling article trace administrative registration-symbol number

code for handling object management is written in with the equipment for handling operation procedure processing by claim 1. And delivery article handling procedure equipped with the handling article trace administrative registration-symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the handling article trace administrative registration-symbol number code of a legible handling object etc. as a means of a system configuration Processing - It is management equipment. It has the operation which can recognize a handling article trace administrative registration-symbol number code also with the naked eye.

[0058] Invention of this invention according to claim 44 is set to claim 43. Besides the write-in record section of a handling article trace administrative registration-symbol number code Have RFID functional equipment added and equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure - equipped with the handling article trace administrative registration-symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the legible handling article trace administrative registration-symbol number code etc. as a means of a system configuration Processing - It is management equipment. It has the operation which can recognize the information on a handling article trace administrative registration-symbol number code or others also with the naked eye.

[0059] Invention of this invention according to claim 45 is set to claim 41. So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. The cut-form with a handling article trace administrative registration-symbol number code in which it was the same as that of the code concerned, and human being performed the writing or printing of destination people's address and name other than printing, such as a legible handling article trace administrative registration-symbol number code, and as a means of a system configuration Delivery article handling procedure - which it had Processing - It is management equipment and has the operation which can recognize a handling article trace administrative registration-symbol number code also with the naked eye.

[0060] Invention of this invention according to claim 46 is set to claim 45. Others

[record section / of a handling article trace administrative registration·symbol number code / write-in], Have RFID functional equipment equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration·symbol number code is written in. And delivery article handling procedure and processing equipped with the cut-form with a handling article trace administrative registration·symbol number code in which it was the same as that of the code concerned, and human being printed the legible handling article trace administrative registration·symbol number code etc. as a means of a system configuration It is management equipment. It has the operation which can recognize the information on a handling article trace administrative registration·symbol number code or others also with the naked eye.

[0061] Invention of this invention according to claim 47 is set to claim 41. So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative registration·symbol number code which it had, and a handling article trace administrative registration·symbol number code is written in. Are the same as that of the code concerned. Human being besides printing, such as a legible handling object administrative registration·symbol number code, and the writing of destination people's address·and·name information, And delivery article handling procedure · equipped with the mailing label with a handling article trace administrative registration·symbol number code which printed the information concerned as a means of a system configuration Processing · It is management equipment and has the operation which can recognize a handling article trace administrative registration·symbol number code also with the naked eye.

[0062] Further invention of this invention according to claim 48 to the RFID functional equipment for handling objects in claim 47 A registered mail object, Delivery article handling procedure · equipped with the RFID functional equipment for handling objects added and equipped with the information write-in field which the user who entrusts delivery article handling objects, such as a parcel post, performed information writing freely, and the user side carried out as [be / usable] as a means of a system configuration Processing · It is management equipment. It has the operation which can recognize the information on a handling article trace administrative registration·symbol number code or others also with the naked eye.

[0063] Invention of this invention according to claim 49 is set to claim 41 thru/or claim 48. The delivery article trust entrepreneur side between post offices etc. records a handling article trace administrative registration-symbol number code on the RFID functional equipment for handling objects with the equipment for handling operation procedure processing for the entrepreneurs concerned so much. The code concerned A registered mail object, Delivery article handling procedure - which locked by the code and others and was equipped with the strange RFID functional equipment for handling objects for which information is improper, and which it had like as a means of a system configuration so that it could not alter to the user side who entrusts delivery articles, such as a parcel post, Processing - It is management equipment. It is in the middle of delivery, and has a miscarriage of the delivery article by data being altered, delayed payment of wages, stray, and the operation that can prevent missing **.

[0064] Invention of this invention according to claim 50 is set to claim 41 thru/or claim 49. RFI for handling objects D functional equipment is further added and equipped with the registration record section of codes for delivery article handling object partition processing, such as a zip code. Delivery article handling procedure - equipped with the RFID functional equipment for handling objects which it had so that it could process by reading the code concerned in many equipments, such as partition processing operating, such as mail, as a means of a system configuration It is processing / management equipment. It has the operation which can classify a delivery article smoothly and promptly.

[0065] Invention of this invention according to claim 51 is set to claim 41 thru/or claim 50. Although both-way both facilities make a handling object handling administrative registration-symbol number code the same notation number when a **** addresser side also considers **** as the audit-trail handling of a registered mail etc. at the RFID functional equipment for handling objects in PD handling objects, such as mail further for a both-way communication link By having so that the code for distinction of **** or **** may be added It sets up so that the ** may be treated for the code for distinction of one of the two's **** as cancellation and operation processing may be performed, even if both are simultaneously read in the process of PD handling processing of the mail for a both-way communication link etc. in ****. Delivery article handling procedure - characterized by having so that it may treat as proper [in ****, only a handling object administrative registration-symbol number code with the distinction code of **** will be read by the handling operation procedure processor in the process of PD handling processing, but] Processing - It is management equipment. Although a handling object administrative registration-symbol number code is made into the same notation

number also as both-way facilities when a **** addresser side also considers **** as the audit-trail treatment of a registered mail etc. Even if both are simultaneously read by adding the code for distinction of **** or **** in ****, it has the operation which can distinguish which [of **** or ****] it is in code for both-way facilities distinction.

[0066] Invention of this invention according to claim 52 is set to claim 41 thru/or claim 51. It has the data registration storage region of destination address-and-name information further to the RFID functional equipment for handling objects. Delivery article handling procedure - equipped with the RFID functional equipment for handling objects which enabled it to perform handling procedure, processing, and management of a registered mail, a parcel post, etc. by using the information data concerned as a means of a system configuration Processing . It is management equipment. By using destination address-and-name information data, it has the operation which can ensure the check of the destination.

[0067] Invention of this invention according to claim 53 writes in the code concerned to the data registration field for handling article trace administrative notation number codes in claim 41 thru/or the RFID functional equipment for handling objects of 52 with the equipment by the side of PD handling entrepreneurs, such as a facilities office. The RFID function equipment for handling objects it or subsequent ones -- the write-in code concerned -- delivery article handling -- on the way -- it is alike, it sets and an alteration is impossible -- as -- the writing to the registration field concerned, and modification -- receiving -- locking -- reading -- possible -- having made -- finishing [it is dealt with and / article administrative notation number code registration] -- Or a cut-form [finishing / attachment of the equipment concerned], a label, an envelope, a postcard, the box for parcels, ** is supplied to the user who entrusts delivery article handling objects, such as a registered mail object and a parcel post. The registered mail object which it had so that the supply concerned might be obtruded when a carrier beam user reads the code concerned with the equipment for users, and a prior preliminary treatment might be performed, Delivery article handling procedure - equipped with the equipment for users which entrusts handling ****, such as a parcel post, as a means of a system configuration Processing . It is management equipment and has the operation which can perform the prior preliminary treatment by the user easily.

[0068] Invention of this invention according to claim 54 with the equipment by the side of the user who had the RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects A registered mail object, In an application list, [between delivery

article handling entrepreneur sides, such as a post office,] the user side who entrusts delivery article handling objects, such as a parcel post, in procedure, such as acknowledgement The fixed PD handling object administrative registration symbol number code within the limit which set and was given to the user side is written in to the storage region for handling article trace administrative notation number code registration of the RFID functional equipment for handling objects by claim 41 thru/or claim 52. It is alike and set, and lock to the writing to the registration field concerned, or modification, and only reading is possible and it makes so that an alteration may be impossible. it or subsequent ones -- the write-in code concerned -- PD handling -- on the way -- Are simultaneously the same as that of the code concerned. Human being printing of a legible handling object administrative registration symbol number code etc. and with the equipment by the side of a user The registered mail object which it had so that prior preparation creation of a receipt might also be performed, while creating the handling object [finishing / handling article trace administrative notation number code registration / by having had] for handling objects with RFID functional equipment so that it may carry out, Delivery article handling procedure - equipped with the equipment for users which entrusts delivery article handling objects, such as a parcel post, as a means of a system configuration Processing - It is management equipment and has the operation which can perform procedure processing by the bulk user smoothly and efficiently.

[0069] Invention of this invention according to claim 55 So that information data can be communicated to the RFID functional equipment for handling objects By equipping the interrogator list for a RFID communication link carried out with a computer etc. or [reading the handling article trace administrative notation number code already written in from claim 41 to the RFID functional equipment for handling objects by claim 52 by the equipment by the side of the delivery article trust handling entrepreneur having a RFID data communication information processing function etc.] -- or When a handling article trace administrative notation number code writes in a handling article trace administrative notation number code from non-registered claim 41 to the RFID functional equipment for handling objects by claim 52, a registered mail object, Delivery article handling procedure - equipped with the equipment for delivery article trust handling entrepreneur reception windows which it had so that the receipt of delivery article handling objects, such as a parcel post, might be published and trust procedure might be performed as a means of a system configuration Processing - It is management equipment. It has the operation which can perform procedure processing at the undertaking window smoothly and efficiently.

[0070] Invention of this invention according to claim 56 is set to claim 55. A registered mail object, Text indicated by the mailing label directly attached to the front face of delivery article handling objects, such as a parcel post, the cut-form, etc., such as address information and a zip code, by OCR etc. So that receipt issuance of a delivery article handling object may be performed using the information read and acquired and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects Delivery article handling procedure - equipped with the equipment for delivery article trust handling entrepreneur reception windows which it had as a means of a system configuration Processing - It is management equipment and has the operation which can perform receipt issuance procedure processing smoothly and efficiently.

[0071] Invention of this invention according to claim 57 is set to claim 55. A registered mail object, On the front face of delivery article handling objects, such as a parcel post Directly Or in a mailing label, a cut-form, etc. which are attached Text indicated, such as address and name information and a zip code The image incorporation by all copies or partial extract copy So that a line may perform receipt issuance of a delivery article handling object using the obtained copy" image information and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects Delivery article handling procedure - equipped with the equipment for delivery article trust handling entrepreneur reception windows which it had as a means of a system configuration Processing - It is management equipment and has the operation which can perform receipt issuance procedure processing smoothly and efficiently.

[0072] Invention of this invention according to claim 58 is set to claim 55. A registered mail object, To delivery article handling objects, such as a parcel post The communications aerial of the interrogator for a RFID communication link for reading data, such as a handling article trace administrative notation number code by which data registration is carried out, to the attached RFID functional equipment for handling objects two or more delivery articles for handling objects with RFID functional equipment on a large scale to the Perilla frutescens (L.) Britton var. crispa (Thunb.) Decne. communication link within the circle If it reads by placing, directions actuation To within the circle [concerned] To the placed handling object To the RFID functional equipment for handling objects attached Reception procedure processing of two or more delivery articles for handling objects with RFID functional equipment which read automatically data, such as a handling article trace administrative notation number code currently recorded, and were put on the communication link within the circle of the

large-sized RFID communications antenna concerned in continuation high-speed reading Delivery article handling procedure - equipped with the equipment for reception windows for delivery article trust handling entrepreneurs which it had so that it could carry out promptly as a means of a system configuration Processing - If it is management equipment and is communication link within the circle [of RFID functional equipment] Much RFID functional equipments can be continuously read at a high speed, and it has the operation which can perform procedure processing smoothly and efficiently.

[0073] The interrogator for a RFID communication link with which invention of this invention according to claim 59 enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects, The registered mail object equipped with the computer etc. for the RFID data communication information processing function etc. as a means in preparation for a list, If it considers as the self-service machine for an automatic undertaking procedure of delivery article handling objects, such as a parcel post, and the delivery article handling object with the RFID functional equipment for handling objects by claim 41 thru/or claim 52 grade is thrown in Automatic reading of the information data of the handling article trace administrative notation number code registered into the data-logging storage section of the RFID functional equipment of the object concerned and others is performed. And automatical measurement measuring of the dimension of a handling article required for calculation of a delivery article handling tariff, weight, etc. is performed. According to assignment of handling classification, a destination zone, etc., it is made to calculate a ***** handling tariff automatically. The IC card for a tariff account which it had cash or in order to step on and for an agreement with the PURIPEDO card of a card and others or a delivery article trust handling entrepreneur to perform a tariff account audit, The charge of a I D card etc. performs a tariff clearing procedure. A registered mail object, Delivery article handling procedure - equipped with the self-service machine for an automatic undertaking procedure of delivery article handling objects, such as a registered mail object and a parcel post, which it had so that delivery articles, such as a parcel post, might be taken over as a means of a system configuration Processing - It is management equipment. It has the operation which can perform undertaking procedure processing by a user's self-service by reading RFID functional equipment and performing a tariff audit by the charge of the IC card for a tariff account, an ID card, etc. to the computed delivery article handling tariff.

[0074] The handling object registered mail object with the RFID functional equipment for handling objects with which invention of this invention according to claim 60 is

carried in from a reception window or an inbound flight, Acceptance of delivery article handling objects, such as a parcel post The reading result of the RFID functional equipment of transfer / delivery information using the information by the RFID function obtained at the time of undertaking by the means by claim 55 thru/or claim 58 grade or the claim 59 grade self-service machine when carrying out etc., and the carried-in handling object is collated. An acceptance inspection, Delivery article handling procedure - equipped with the equipment which it had so that it might check as a means of a system configuration Processing - It is management equipment and has the operation which can perform an acceptance-inspection procedure smoothly and efficiently.

[0075] Invention of this invention according to claim 61 A registered mail object, So that information data can be communicated to the RFID functional equipment for handling objects to the partition machine used in the delivery partition operation of delivery article handling objects, such as a parcel post By equipping the interrogator list for a RFID communication link carried out with a computer etc. The registered mail equipped with equipment equipped with a means to create the delivery certificate and slip for every partition by reading the RFID functional equipment for handling objects in the stroke of a delivery partition by having a RFID data communication information processing function etc., as a means of a system configuration, Handling procedures [, such as a parcel post,] - It is processing / management equipment and has the operation which can perform smoothly and efficiently creation processing of the delivery certificate for every partition and a slip.

[0076] Invention of this invention according to claim 62 is in the condition contained in the receipt case or the postbag by the delivery partition settled. So that data, such as a handling article trace administrative notation number code of a handling object with RFID functional equipment, can be read Delivery article handling procedure - equipped with equipment equipped with a means to create a delivery certificate and a slip by having a RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which it had, as a means of a system configuration Processing - It is management equipment. It has the operation which can perform smoothly and efficiently creation processing of the delivery certificate for every partition and a slip.

[0077] Invention of this invention according to claim 63 is delivery article handling procedure - equipped with the equipment which it had so that data registration performs to a delivery certificate with a RFID function, or a slip with a RFID function in claim 61 thru/or claim 62 using the information acquired by the equipment concerned

and creation of a delivery certificate with a RFID function or a slip may perform as a means of a system configuration. Processing - It is management equipment and it has an operation [be / in the delivery article for every partition / it / easily manageable].

[0078] As opposed to a slip and a tag equipped with the RFID function the data based on claim 63 were mentioned in whose invention of this invention according to claim 64 The postbag and receipt case for delivery article handling object receipt, Or delivery article handling procedure - equipped with the slip equipped with the function which carries out the seal of the stowage container concerned to stowage containers, such as a roll pallet and a container, by [concerned] carrying out wearing attachment, or the tag as a means of a system configuration Processing - It is management equipment and has the operation which can use a slip as a seal member.

[0079] Invention of this invention according to claim 65 the slip equipped with the RFID function in which the data based on claim 63 were mentioned The postbag and receipt case for delivery article handling object receipt, Or the stowage container concerned is equipped with the electrode holder for holding to stowage containers, such as a roll pallet and a container. The slip held at the electrode holder concerned appears from an outside surface, and so that reading of the inclusion data of a RFID function may be possible Delivery article handling procedure - equipped with the slip and hold container which it had so that the seal of the slip and the hold container itself which was held at the preparation and the electrode holder might be carried out together, and the seal supply as a means of a system configuration Processing - It is management equipment and has the operation which can use a slip as a seal member.

[0080] When loading into the car of transport facilities the delivery article handling object for objects with RFID functional equipment which substituted delivery procedure processing for the equipment by claim 61 thru/or claim 65, while invention of this invention according to claim 66 reads the identification code attached to the car A computer etc. by reading RFID data, such as RFID functional equipment for handling objects, a delivery certificate with a RFID function, or a slip with a RFID function, in preparation for the interrogator list for a RFID communication link to the gate established in the delivery article handling object loading to a car Delivery article handling procedure - equipped with the system means which carries out the delivery information transmission of the loading information equipped with the RFID data communication information processing function to a delivery place as a means of a system configuration Processing - It is management equipment. By transmitting loading related information to a delivery place before arrival of a delivery article, it has the operation which can perform acceptance procedure processing at a delivery place

smoothly and efficiently.

[0081] Invention of this invention according to claim 67 According to the procedure processing process by reading of a delivery article handling object with RFID functional equipment performed by the means by claim 61 thru/or claim 66 With data, such as a handling article trace administrative notation number code obtained So that the reading data of the acquired inbound flight related precedence information and the delivery article handling object with RFID functional equipment unloaded from the inbound flight which actually arrived may be collated and inspection inspection of the propriety of the content of an arrival may be carried out Delivery article handling procedure - equipped with arrival acceptance-inspection equipment equipped with the means carried out as a means of a system configuration Processing - It is management equipment and has the operation which can perform the acceptance-inspection procedure in a delivery place smoothly and efficiently.

[0082] Invention of this invention according to claim 68 is equipped with a RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects. Delivery article handling procedure - equipped with the means which it had so that a delivery receipt and this Hara mark might be created by reading data, such as a handling article trace administrative notation number code of the RFID functional equipment for handling objects, as a means of a system configuration Processing - It is management equipment. It has the operation which can perform smoothly and efficiently creation processing of a delivery receipt and this Hara mark.

[0083] Invention of this invention according to claim 69 By reading the destination address-and-name information registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 52 Delivery article handling procedure - equipped with the delivery partition machine which it had so that the delivery partition of the RFID functional equipment accessory style handling object for handling objects might be performed automatically as a means of a system configuration Processing - It is management equipment and has the operation which can perform the delivery partition of a delivery article smoothly and efficiently.

[0084] Invention of this invention according to claim 70 is set to claim 69. By reading data registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 52, such as destination address-and-name information and a handling

article trace administrative notation number code Delivery article handling procedure - equipped with the delivery procedure processor which it had so that the delivery receipt of the RFID functional equipment accessory style handling object for handling objects concerned and this Hara mark creation might be performed as a means of a system configuration Processing . It is management equipment. It has the operation which can perform smoothly and efficiently delivery partition of a delivery article, and creation processing of a delivery receipt and this Hara mark.

[0085] Further invention of this invention according to claim 71 to the equipment by claim 68 thru/or claim 70 at a delivery person A registered mail object, Delivery article handling procedure - equipped with the equipment added and equipped with the function which carries out automatic creation of the cut-forms for handing out procedure, such as a transfer vote delivered to the delivery person concerned in case delivery article handling objects, such as a parcel post, are delivered, as a means of a system configuration Processing . It is management equipment. It has the operation which can perform smoothly and efficiently creation processing of the cut-form for handing out procedure.

[0086] Invention of this invention according to claim 72 is set to claim 55 thru/or claim 71. The equipment for handling operation procedure processing It is delivery article handling procedure and processing / management equipment characterized by being formed in a gate type so that the RFID functional equipment for handling objects concerned may be read continuously, moving two or more delivery article handling objects contained in the case laid on the conveyance conveyor, or the bag. It has the operation which can read RFID functional equipment smoothly and efficiently.

[0087] Invention of this invention according to claim 73 is set to claim 1 thru/or claim 2. As equipment for handling operation procedure processing, a delivery member carries at the time of delivery article delivery. It is delivery article handling procedure and processing / management equipment equipped with the Personal Digital Assistant which has the reading function and data I/O function to the FRID functional equipment for handling objects concerned as a means of a system configuration. It depends and has in a turnover to transfer or a destination, an absence, receipt refusal, etc. in delivery member operation, and has return and the operation which can work smoothly and efficiently until it has and results in taking over in the station and administration building after return.

[0088] In claim 73, invention of this invention according to claim 74 carries personal digital assistant equipment equipped with the reading function of the RFID functional equipment for handling objects, in case a delivery member is delivery. In a destination

data, such as a handling article trace administrative notation number code of a handling object with the RFID functional equipment for handling objects, in an addressee's presence with the personal digital assistant equipment concerned I have an addressee check the data displayed on the display of data reading ***** equipment, and it has so that it may consider as the electronic information receipt which inputted the receipt sign according to the hand entry force etc., and registered it as completion data of delivery. Delivery article handling procedure - equipped with the personal digital assistant for delivery members which it had so that the completion data of delivery concerned might be transmitted to a main phone and it might gather information and manage from the main phone concerned to an information center etc., when it returned to an administration building as a means of a system configuration Processing - It is management equipment. It has the operation which can create an electronic receipt smoothly and efficiently.

[0089] Invention of this invention according to claim 75 is set to claim 73 thru/or claim 74. The card with an addressee address recognition code for delivery procedure which it had in the door of a destination addressee's housing building entry, In preparation for the outside of the door of the housing building entry concerned, have in a list, and it has the reading function of the card with a code for addressee address recognition for return procedure. Delivery article handling procedure - equipped with the personal digital assistant for delivery members which it had so that absent delivery note issuance etc. might have in a delivery procedure list and return procedure might be performed by [of the code for addressee address recognition] carrying out data inclusion as a means of a system configuration Processing - It is management equipment. It has the operation which can perform smoothly and efficiently delivery procedure and absent delivery note issuance procedure processing.

[0090] Invention of this invention according to claim 76 is set to claim 73 thru/or claim 75. It has a data registration write-in function part to RFID functional equipment. By writing in advice information of absent delivery to an absent-with RFID functional equipment delivery note by the function part concerned Delivery article handling procedure - equipped with the personal digital assistant for delivery members which was made to publish an absent-with RFID functional equipment delivery note as a means of a system configuration Processing - By being management equipment and publishing an absent-with RFID functional equipment delivery note A machine can perform subsequent processing easily.

[0091] An addressee brings the absent-with RFID functional equipment delivery note by which invention of this invention according to claim 77 was published by the equipment

concerned in claim 76 in administration buildings, such as a post office. The handling object for handling objects with RFID functional equipment which is equivalent to the note concerned when it supplies to the absent-with RFID functional equipment delivery note carrier inlet port of the automatic turnover equipment with a RFID functional equipment reading function corresponding to an absent-with RFID functional equipment delivery note Delivery article handling procedure - equipped with the equipment handed over automatically as a means of a system configuration It is processing / management equipment and has the operation which can search a delivery article easily.

[0092] Invention of this invention according to claim 78 In the place of business as a macrostomia recipient of the handling object with the RFID functional equipment for handling objects by claim 73 thru/or claim 77 etc. The handling article trace administrative notation number code registered into the RFID functional equipment of the handling object concerned when classifying each post and performing operation of allocation taking over, Delivery article handling procedure - equipped with the equipment which it had so that it might succeed by reading other recorded data and transfer procedure, a category, etc. could be performed as a means of a system configuration Processing - It is management equipment. It has the operation which can perform easily taking over transfer procedure, a category, etc. in a bulk user.

[0093] Invention of this invention according to claim 79 is set to claim 41 thru/or claim 78. The ID code of the operator of equipment is made to recognize with the means of an ID card and others. The code concerned An equipment code, It records with data, such as a handling date and a handling article trace administrative notation number code. Delivery article handling procedure - equipped with the equipment which it had so that it might transmit to a management pin center,large etc. as follow-up survey data as a means of a system configuration Processing - It is management equipment and has the operation which can clarify business management and the location of charge.

[0094] While invention of this invention according to claim 80 transmits the information data about the handling object acquired in the operation processing process to an information center in claim 41 thru/or claim 79 The classification of the handling object which transmits and sends the information data concerned to beforehand [of arrival of the handling object to a delivery place] the information-center course concerned or directly at the delivery place of a handling object, Delivery article handling procedure and processing - which it had so that prior preparations of the acceptance processing operation of the number of objects, time, and the handling object that is equipped with the means which it had so that the information acquisition of the information on other

could be carried out as prior information on handling object arrival as a means of a system configuration, and arrives could be made It is management equipment. By notifying collected data to a delivery place beforehand, it has the operation which can perform acceptance procedure easily.

[0095] invention of this invention according to claim 81 -- claim 1 thru/or claim 40 -- setting -- RFID functional equipment -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form to a delivery article handling object besides carrying out pasting attachment Delivery article handling procedure - which contained or enclosed RFID functional equipment with the interior of a delivery article handling object Processing . It is a management method. It has the operation which can attach RFID functional equipment in various modes to a delivery article handling object, and can be delivered in the optimal mode to the delivery article concerned.

[0096] invention of this invention according to claim 82 -- claim 1 thru/or claim 40 -- setting -- RFID functional equipment -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form to a delivery article handling object besides carrying out pasting attachment Delivery article handling procedure - which stuck what enclosed and carried out the seal of the RFID functional equipment to pocket-like **** which has a seal function on the delivery article concerned Processing . It is a management method. It has the operation which can attach RFID functional equipment in various modes to a delivery article handling object, and can be delivered in the optimal mode to the delivery article concerned.

[0097] invention of this invention according to claim 83 -- claim 41 thru/or claim 80 -- setting -- RFID functional equipment -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form to a delivery article handling object besides carrying out pasting attachment Delivery article handling procedure - which contained or enclosed RFID functional equipment with the interior of a delivery article handling object Processing . It is management equipment. It has the operation which can attach RFID functional equipment in various modes to a delivery article handling object, and can be delivered in the optimal mode to the delivery article concerned.

[0098] invention of this invention according to claim 84 -- claim 41 thru/or claim 80 -- setting -- RFID functional equipment -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form to a delivery article handling object besides carrying out pasting attachment Delivery article handling procedure - which stuck what enclosed and carried out the seal of the

RFID functional equipment to pocket-like **** which has a seal function on the delivery article concerned Processing . It is management equipment. It has the operation which can attach RFID functional equipment in various modes to a delivery article handling object, and can be delivered in the optimal mode to the delivery article concerned.

[0099] Hereafter, the gestalt of operation of this invention is explained with reference to a drawing. In addition, with the gestalt of the following operations, although a delivery article is explained as mail, of course, this invention is not limited to this, and is aimed also at the delivery article in ordinary PD contractors. Drawing 4 shows the whole delivery article managerial system configuration in the gestalt of operation of this invention from drawing 1 . When the addresser goes to an undertaking station with mail first (A steps), a RFID label (RFID functional equipment) is stuck on mail, and a handling article trace administrative notation number code (it is hereafter called the RFID code for short.) is written in a RFID label with the RFID equipment for windows (equipment for handling operation procedure processing), and it is made to memorize in an undertaking station (B steps). In the case of a bulk user, as another flow, the mail which wrote the RFID code in the RFID label in advance with the RFID equipment which a user owns may be carried into an undertaking station. In an undertaking station, data, the RFID codes, etc. of the carried-in mail, such as classification, are transmitted to an information center through a communication network. Then, in an undertaking station, while performing a delivery partition, containing in a hold container and conveying a band-conveyor top, the RFID code is read with RFID equipment, a delivery certificate is created, the seal of it is contained and carried out to a stowage container, and it puts on transport facilities (C phase). If transport facilities arrive at a local division branch office and a **** office, while a hold container will be opened, and the delivery partition of mail will be performed, containing in a hold container again and conveying a band-conveyor top, the RFID code is read with RFID equipment, a delivery certificate is created, the seal of it is contained and carried out to a stowage container, and it puts on transport facilities (D phase). If transport facilities reach a delivery station, while the delivery partition of the mail with which the hold container was opened first will be performed and reading destination information with OCR or copy equipment, the RFID code is read with RFID equipment and a delivery certificate is created (E). these data -- RFID -- it is transmitted to the *** [transfer management equipment-cum-] return management equipment for reading delivery members through an information center (F steps). Next, a delivery member carries a Personal Digital Assistant, it goes out to an addressee's place (G steps), and the classified mail is passed to an individual addressee, or it hands over to a big addressee

(H steps). In the case of a macrostomia addressee, the RFID equipment which self owns performs allocation in the RFID code reading and its company, and delivery taking over operation. case [in a destination] he is absent -- a Personal Digital Assistant -- an absent delivery note -- publishing -- having -- return and RFID -- while inputting into the **** [transfer management equipment-cum-] return management equipment for reading delivery members, it notifies to an information center.

[0100] The above is the outline of this system and unitary management of mail and a quick trace are attained in this system by writing the RFID code in a RFID label, installing the RFID equipment for reading it in each phase from presenting of mail to delivery, reading the RFID code each time, and notifying to an information center. Hereafter, the details of this system are explained.

[0101] (Gestalt 1 of operation) Drawing 5 shows the gestalt 1 of the operation corresponding to claims 1 and 41 of this invention, and shows the configuration of the equipment 0150 for handling operation procedure processing (RFID equipment), and the RFID functional equipment 0110 for handling objects (RFID label) stuck on the delivery article handling object (mail) 0111. In the equipment 0150 for handling operation procedure processing, 0160 is the RFID data communication information processing section, and is equipped with the response electric-wave receiving antenna 0161 and the question electric-wave transmitting antenna 0162. 0170 is RFID control / data-processing section, and is connected to CPU0180 with the printer section 0191 and the communication link unit 0190. In the RFID functional equipment 0110 for handling objects, 0120 is a RFID communication link transponder and is equipped with the antenna 0121 for data transmission and reception, the data transceiver processing section 0122, and the antenna 0123 for actuation current excitation. 0124 is the information data-logging storage section, and 0125 is an information write-in reading function part.

[0102] Next, actuation of the above-mentioned equipment is explained. If the question electric-wave transmitting antenna 0162 of the equipment 0150 for handling operation procedure processing sends the question electric wave 0163, in response, the antenna 0123 for actuation current excitation will generate an actuation current, and will supply power to the data transceiver processing section 0122, the information data-logging storage section 0124, and the information write-in reading function part 0125. Thereby, it activates, and the signal is received by the response electric-wave receiving antenna 0161 of the equipment 0150 for handling operation procedure processing through the antenna 0121 for data transmission and reception, and RFID functional equipment 0110 is transmitted to RFID control / data-processing section 0170. Next, when the

question electric wave 0163 which contained information data from the question electric-wave transmitting antenna 0162 of the equipment 0150 for handling operation procedure processing is sent, the antenna 0123 for actuation current excitation receives it, and delivery and the data transceiver processing section 0122 make the information data-logging storage section 0124 memorize the information data through the information write-in reading function part 0125 to the data transceiver processing section 0122. Thus, storage registration of the information on a handling article trace administrative notation number code and others is carried out at the information data-logging storage section 0124 of RFID functional equipment 0110. And it is transmitted to an information center 0201 through a communication network 0202 from the CPU communication link unit 0190, and it is registered into the storage by computer of an information center 0201 that the information on a handling article trace administrative notation number code and others was registered into RFID functional equipment 0110. Moreover, in the printer section 0191, a handling article trace administrative notation number code, destination people's address and name, etc. can be printed on a label, or other information data can be printed and outputted.

[0103] Thus, according to the gestalt 1 of this operation, the RFID functional equipment which has a data storage add function containing RFID communication facility and a handling article trace administrative registration symbol number code is stuck on the front face of a delivery article handling object through other media direct again. Since it was made to manage the delivery article by [of data] writing in and reaching or reading in each phase from undertaking of this delivery article to delivery to the RFID functional equipment stuck on this delivery article Clerical work procedure in each phase from undertaking to delivery can be performed promptly.

[0104] (Gestalt 2 of operation) Drawing 6 shows the gestalt 2 of the operation corresponding to claims 2 and 42 of this invention. The RFID equipment for handling operation procedure processing in each phase of resulting [from undertaking of mail] in delivery is formed in the information center 0201 through the information communication network 0202. That is, they are the equipment 0151 for user prior preparation in Phase A, the equipment 0152 for reception windows in Phase B and the equipment 0153 for reception self-service windows, the equipment 0154 for an undertaking station delivery procedure in Phase C, the equipment 0155 for a relay center delivery procedure in Phase D, equipment 0156 for a delivery station delivery preparation procedure in Phase E, etc. The RFID code etc. can be read now in the RFID functional equipment 0110 stuck on the handling object 0111 with these equipments.

[0105] Thus, according to the gestalt 2 of this operation, it writes in to RFID functional

equipment, and since the data which reached or read are sent out to an information center through a communication network and it was made to carry out the centralized control of the data in an information center, delivery article management can be performed smoothly and efficiently.

[0106] (Gestalt 3 of operation) Drawing 7 shows the gestalt 3 of the operation corresponding to claims 3 and 43 of this invention. In the storage region 0306 of the information data-logging storage section 0124 of RFID functional equipment 0110 The field 0307 which memorizes a handling article trace administrative notation number code is formed. On the front face of the RFID functional equipment 0304 which made this field 0307 memorize a handling article trace administrative notation number code The RFID functional equipment 0305 on which the label 0303 printed so that a handling article trace administrative notation number code could be checked by looking was stuck, and this label 0303 was stuck is stuck on mail 0301 on a front face.

[0107] Thus, since a handling article trace administrative registration-symbol number code is printed on a label, it is stuck on a delivery article handling object or RFID functional equipment and it enabled it to read according to the gestalt 3 of this operation, also with the naked eye, a handling article trace administrative registration-symbol number code can be recognized.

[0108] (Gestalt 4 of operation) Drawing 8 shows the gestalt 4 of the operation corresponding to claims 4 and 44 of this invention. In the storage region 0401 of the information data-logging storage section 0124 of RFID functional equipment 0110 The field 0403 which memorizes the data of field 0402 which memorizes a handling article trace administrative notation number code, and others is formed. On the front face of the RFID functional equipment 0304 which made the field 0402 memorize a handling article trace administrative notation number code, and made the field 0403 memorize other information data The RFID functional equipment 0305 on which the label 0303 printed so that a handling article trace administrative notation number code could be checked by looking was stuck, and this label 0303 was stuck is stuck on mail 0301 on a front face.

[0109] Thus, since the information on a handling article trace administrative registration-symbol number code and others is printed on a label, it is stuck on a delivery article handling object or RFID functional equipment and it enabled it to read according to the gestalt 4 of this operation, also with the naked eye, the information on a handling article trace administrative registration-symbol number code or others can be recognized.

[0110] (Gestalt 5 of operation) Drawing 9 shows the gestalt 5 of the operation

corresponding to claims 5 and 45 of this invention. In the storage region 0504 of the information data-logging storage section 0124 of RFID functional equipment 0110 The field 0505 which memorizes a handling article trace administrative notation number code is formed. On the front face of the RFID functional equipment 0503 which made this field 0505 memorize a handling article trace administrative notation number code The RFID functional equipment 0503 on which the label printed so that a handling article trace administrative notation number code could be checked by looking was stuck, and this label was stuck is stuck on the front face of a cut-form 0502, and this cut-form 0502 is further stuck on mail 0501 on a front face.

[0111] Thus, since print a handling article trace administrative registration-symbol number code on a label, it is stuck on RFID functional equipment, it is further stuck on a cut-form and it enabled it to read according to the gestalt 5 of this operation, also with the naked eye, a handling article trace administrative registration-symbol number code can be recognized.

[0112] (Gestalt 6 of operation) Drawing 10 shows the gestalt 6 of the operation corresponding to claims 6 and 46 of this invention. In the storage region 0504 of the information data-logging storage section 0124 of RFID functional equipment 0110 The field 0505 which memorizes a handling article trace administrative notation number code, and the field 0506 which memorizes other data are formed. On the front face of the RFID functional equipment 0503 which made the field 0505 memorize a handling article trace administrative notation number code, and made the field 0506 memorize other information data The RFID functional equipment 0503 on which the label printed so that a handling article trace administrative notation number code could be checked by looking was stuck, and this label was stuck is stuck on the front face of a cut-form 0502, and this cut-form 0502 is further stuck on mail 0501 on a front face.

[0113] Thus, since print the information on a handling article trace administrative registration-symbol number code and others on a label, it is stuck on RFID functional equipment, it is further stuck on a cut-form and it enabled it to read according to the gestalt 6 of this operation, also with the naked eye, the information on a handling article trace administrative registration-symbol number code or others can be recognized.

[0114] (Gestalt 7 of operation) Drawing 11 shows the gestalt 7 of the operation corresponding to claims 7 and 47 of this invention. In the storage region 0704 of the information data-logging storage section 0124 of RFID functional equipment 0110 The field 0705 which memorizes a handling article trace administrative notation number code is formed. On the front face of the RFID functional equipment 0702 which made

this field 0705 memorize a handling article trace administrative notation number code. The RFID functional equipment 0702 on which the mailing label 0703 printed so that a handling article trace administrative notation number code could be checked by looking was stuck, and this mailing label 0703 was stuck is stuck on mail 0701 on a front face.

[0115] Thus, since according to the gestalt 7 of this operation a handling article trace administrative registration-symbol number code is printed to the mailing label which printed destination people's address-and-name information and RFID functional equipment was stuck on this mailing label, also with the naked eye, a handling article trace administrative registration-symbol number code can be recognized.

[0116] (Gestalt 8 of operation) Drawing 12 shows the gestalt 8 of the operation corresponding to claims 8 and 48 of this invention. In the storage region 0704 of the information data-logging storage section 0124 of RFID functional equipment 0110 The field 0705 which memorizes a handling article trace administrative notation number code, and the field 0706 which memorizes the information on other are formed. On the front face of the RFID functional equipment 0702 which made the field 0705 memorize a handling article trace administrative notation number code, and made the field 0706 memorize other information data. The RFID functional equipment 0702 on which the mailing label 0703 printed so that a handling article trace administrative notation number code could be checked by looking was stuck, and this mailing label 0703 was stuck is stuck on mail 0701 on a front face.

[0117] Thus, since according to the gestalt 8 of this operation the information on a handling article trace administrative registration-symbol number code and others is printed to the mailing label which printed destination people's address-and-name information and RFID functional equipment was stuck on this mailing label, also with the naked eye, the information on a handling article trace administrative registration-symbol number code or others can be recognized.

[0118] (Gestalt 9 of operation) Drawing 13 shows the gestalt 9 of the operation corresponding to claims 9 and 49 of this invention. Drawing 13 (a) adds the data alteration prevention data lock 0905 to the data 0902 memorized in the data storage area 0901 in the information data-logging storage section 0124 of RFID functional equipment, and data are made not to be altered. Data 0902 can be rewritten by performing actuation which repeals the data alteration prevention data lock 0905. Drawing 13 (b) memorizes data 0902 and 0903 to a data storage area 0901, and has formed the data alteration prevention data lock 0905 in it similarly to both this data.

[0119] Thus, since it was made to perform alteration prevention processing to the information registered into RFID functional equipment according to the gestalt 9 of this

operation, it is in the middle of delivery, and a miscarriage of the delivery article by data being altered, delayed payment of wages, stray, and missing ** can be prevented.

[0120] (Gestalt 10 of operation) Drawing 14 shows the gestalt 10 of the operation corresponding to claims 10 and 50 of this invention. Drawing 14 (a) establishes the partition code registration field 1001 in the data storage area 0901 in which the data alteration prevention data lock 0905 was formed to the memorized data 0902 further, and makes the code for delivery article handling object partition processing memorize there in the information data-logging storage section 0124 of the RFID functional equipment shown in drawing 13 (a). Drawing 14 (b) establishes the partition code registration field 1001 in the data storage area 0901 in which the data alteration prevention data lock 0905 was formed to the memorized data 0902 and 0903 further, and makes the code for delivery article handling object partition processing similarly memorize there in the information data-logging storage section 0124 of the RFID functional equipment shown in drawing 13 (b).

[0121] Thus, according to the gestalt 10 of this operation, since the code for delivery article handling object partition processing was registered into RFID functional equipment, a delivery article is promptly [smoothly and] classifiable.

[0122] (Gestalt 11 of operation) Drawing 15 (a) shows the gestalt 11 of the operation corresponding to claims 11 and 51 of this invention. With the gestalt of this operation, RFID functional equipment is attached to each of the mail for a both-way communication link. To information data-logging storage section 1101a of the RFID functional equipment for **** attachment of them While forming a data storage area 1102 and forming the data alteration prevention data lock 1104 to the data memorized there In information data-logging storage section 1101b of the RFID functional equipment for **** attachment A data storage area 1102 is formed similarly, the data alteration prevention data lock 1104 is formed to the data memorized there, the **** identification code field 1105 is formed further, and the code for **** distinction is made to memorize there. Similarly, drawing 15 (b) forms two data storage areas 1102 and 1103, establishes the **** identification code field 1105 only in the information data-logging storage section of the RFID functional equipment for **** attachment, and distinguishes **** from ****.

[0123] Thus, according to the gestalt 11 of this operation, since the code for both-way facilities distinction was registered into RFID functional equipment, when a **** addresser side also considers **** as the audit-trail treatment of a registered mail etc., make a handling object administrative registration-symbol number code into the same notation number also as both-way facilities, but Even if both are simultaneously read by

adding the code for distinction of **** or **** in ****, it can distinguish which [of **** or ****] it is in code for both-way facilities distinction.

[0124] (Gestalt 12 of operation) Drawing 16 shows the gestalt 12 of the operation corresponding to claims 12 and 52 of this invention. Drawing 16 (a) establishes the destination address-and-name information data registration field 1201 in the data storage area 1102 in which the data alteration prevention data lock 1104 was formed to the memorized data further, and makes destination address-and-name information data memorize there in the information data-logging storage sections 1101a and 1101b of the RFID functional equipment shown in drawing 15 (a). Drawing 16 (b) establishes the destination address-and-name information data registration field 1201 in the data storage areas 1102 and 1103 in which the data alteration prevention data lock 1104 was formed to the memorized data further, and makes destination address-and-name information data similarly memorize there in the information data-logging storage sections 1101a and 1101b of the RFID functional equipment shown in drawing 15 (b).

[0125] Thus, according to the gestalt 12 of this operation, since destination address-and-name information data were registered into RFID functional equipment, the check of the destination can be ensured by using destination address-and-name information data.

[0126] (Gestalt 13 of operation) Drawing 17 shows the gestalt 13 of the operation corresponding to claims 13 and 53 of this invention. the handling article as a handling operation procedure processor [in / to the gestalt 1 of operation shown in drawing 5 / the gestalt of this operation] .. the equipment 1301 for PD handling contractors for trace administrative notation number code registration The display 1303 and the actuation touch panel 1304 which are controlled by CPU1302, the actuation keyboard 1305, the RFID write-in equipment section 1306 for handling article trace administrative notation number registration, the printer section 1307, and the communication link unit 1308 are formed. The communication link unit 1308 It connects with the information center 1310 through the communication network 1309. The RFID write-in equipment section 1306 is equipped with RFID control / data-processing section 0170, and the RFID data communication information processing machine 0160 the same with having been shown in drawing 5 . Moreover, the RFID functional equipment 1311 for handling objects is equipped with the same configuration as the RFID functional equipment 0110 for handling objects of drawing 5 .

[0127] If the teller member of the undertaking station of a post office reaches actuation touch panel 1304, or operates an actuation keyboard and inputs a handling article trace administrative notation number code, looking at a display 1303, the data will be sent

from the RFID write-in equipment section 1306, and will be memorized by the information data logging storage section 0124 of RFID functional equipment 1311. Thus, the RFID functional equipment 1311 for handling objects which had the handling article trace administrative notation number code registered is passed to a user, and it is used for a sealed letter 1323 or a postcard 1324, being stuck on a slip 1321, being stuck on a mailing label 1322, or sticking it directly.

[0128] Drawing 18 shows the configuration of the equipment 1350 for receipt prior creation users as a handling operation procedure processor which a user uses in the gestalt 13 of this operation. Having the storage sections 1354, such as the printers 1353, such as destination address and name to the RFID reader section 1351 for handling article trace administrative notation number reading, the printer section 1352 for receipt prior creation, and a handling object, and destination humanity news, and the storage reader 1355 differs from the equipment 1301 shown in drawing 17. The RFID reader section 1351 for handling article trace administrative notation number reading is equipped with RFID control / data-processing section 0170, and the RFID data communication information processing machine 0160 the same with having been shown in drawing 17.

[0129] If a user brings RFID which he stuck on the delivery object close to equipment, a handling article trace administrative notation number code will be read by a RFID store / reader section 1306. Subsequently, if a user reaches actuation touch panel 1304 or inputs destination people's address and name, self address and name, etc. with the actuation keyboard 1305, while it will be memorized by the storage sections 1354, such as destination humanity news Since it is printed and outputted by the printers 1353, such as destination address and name, this is stuck on a delivery object. Moreover, a receipt is published in advance to a user by the printer section 1352 for receipt prior creation. Reading appearance of the format of a receipt etc. is carried out from the storage reader 1355.

[0130] Thus, according to the gestalt 13 of this operation, when the label which stuck RFID functional equipment [finishing / the writing of data] or it is supplied to a user and a user reads a handling article trace administrative registration symbol number code in the RFID functional equipment, it is made to perform a presenting prior preliminary treatment, and the prior preliminary treatment by the user can be performed easily.

[0131] (Gestalt 14 of operation) Drawing 19 shows the gestalt 14 of the operation corresponding to claims 14 and 54 of this invention. the equipment 1350 which showed the equipment 1400 for receipt prior creation users as a handling operation procedure

processor in the gestalt of this operation to drawing 18 -- receiving -- handling article trace administrative -- it has RFID reading / write-in equipment notation number reading / section for a store 1451, and others are the same. With the gestalt of this operation, since an operator is a bulk user, the fixed handling article trace administrative notation number code within the limit is assigned beforehand, and reading of a handling article trace administrative notation number code and prior creation of a receipt are performed from RFID functional equipment 1311 based on this with the handling article trace administrative notation number code writing to RFID functional equipment 1311.

[0132] Thus, according to the gestalt 14 of this operation, when a user writes the handling article trace administrative registration-symbol number code given to the user within the fixed limit in RFID functional equipment [between the users who performed bailment of a delivery article with the delivery article handling trust entrepreneur], it is made to perform prior preparation creation of a voucher, and procedure processing by the bulk user can be performed smoothly and efficiently.

[0133] (Gestalt 15 of operation) Drawing 20 shows the gestalt 15 of the operation corresponding to claims 15 and 55 of this invention. the equipment 1350 which showed the equipment 1500 for reception windows as a handling operation procedure processor in the gestalt of this operation to drawing 18 -- receiving -- the printer section 1501 for receipt creation, the handling components trace administrative notation number printer 1502 to an undertaking handling object, and handling article trace administrative -- it has RFID reading / write-in equipment notation number reading / section for a store 1503, and others are the same. With the gestalt of this operation, an operator is the teller member of an undertaking station and reading of a handling article trace administrative notation number code and creation of the receipt by the printer section 1501 for receipt creation are performed to the delivery object which the user carried [this teller member] in from the handling article trace administrative notation number code writing to RFID functional equipment 1311, and RFID functional equipment 1311.

[0134] Thus, since the delivery article handling trust entrepreneur was made to publish the voucher of a delivery article handling object by reading data from RFID functional equipment [finishing / the writing of data / already] at the time of delivery article trust, or writing data in RFID functional equipment according to the gestalt 15 of this operation, procedure processing at the undertaking window can be performed smoothly and efficiently.

[0135] (Gestalt 16 of operation) Drawing 21 shows the gestalt 16 of the operation

corresponding to claims 16 and 56 of this invention. The equipment 1600 for reception windows as a handling operation procedure processor in the gestalt of this operation is equipped with the text recognition readers 1601, such as OCR, to the equipment 1500 shown in drawing 20, and its others are the same. With the gestalt of this operation, information, such as an address written to the slip 1321, the mailing label 1322, the sealed letter 1323, or the postcard 1324, is read with the text recognition reader 1601, and is recognized, and the printer section 1501 for receipt creation is made to publish a receipt based on this data.

[0136] Thus, since it was made to publish the voucher of a delivery article handling object from the handling article trace administrative registration symbol number code information which read and acquired RFID functional equipment, and the address information which read the label indicated or stuck on RFID functional equipment with the optical character reader, and obtained it according to the gestalt 16 of this operation, receipt issuance procedure processing can be performed smoothly and efficiently.

[0137] (Gestalt 17 of operation) Drawing 22 shows the gestalt 17 of the operation corresponding to claims 17 and 57 of this invention. The equipment 1700 for reception windows as a handling operation procedure processor in the gestalt of this operation is equipped with the copy image taking-in equipments 1701, such as an address-and-name information zip code, to the equipment 1500 shown in drawing 20, and its others are the same. With the gestalt of this operation, the printer section 1501 for receipt creation is made to publish a receipt based on all or the copy image which extracted selectively and was obtained with the copy image taking-in equipments 1701, such as an address-and-name information zip code, information, such as an address written to the slip 1321, the mailing label 1322, the sealed letter 1323, or the postcard 1324.

[0138] Thus, since it was made to publish the voucher of a delivery article handling object from the handling article trace administrative registration symbol number code information which read and acquired RFID functional equipment, and the address information which read the label indicated or stuck on RFID functional equipment by the optical reproducing unit, and obtained it according to the gestalt 17 of this operation, receipt issuance procedure processing can be performed smoothly and efficiently.

[0139] (Gestalt 18 of operation) Drawing 23 shows the gestalt 18 of the operation corresponding to claims 18 and 58 of this invention. In drawing 23 the body of window reception procedure equipment and 1802 1801 An actuation keyboard, In 1803, a display and 1804 a receipt and 1806 for the printer section and 1805 The data reader of the RFID functional equipment for handling objects, The large-sized RFID communications antenna with which 1807 was built in the data reader 1806, 1808 is an

interconnection cable which connects the data reader 1806 and the body 1801 of window reception procedure equipment, and 1820 is the delivery article for handling objects with RFID functional equipment put on the data reader 1806 in the top.

[0140] Since the communications antenna 1807 is large-sized when two or more delivery articles 1820 with a RFID function are put on the data reader 1806 and data are read with the body 1801 of equipment, the data of two or more delivery articles 1820 with a RFID function in the communication link within the circle can be continuously read at a high speed.

[0141] Thus, since it enabled it to read the data of two or more RFID functional equipments continuously at once according to the gestalt 18 of this operation, if it is communication link within the circle [of RFID functional equipment], much RFID functional equipments can be continuously read at a high speed, and procedure processing can be performed smoothly and efficiently.

[0142] (Gestalt 19 of operation) Drawing 24 shows the gestalt 19 of the operation corresponding to claims 19 and 59 of this invention. In drawing 24 , 1900 is the self-service machine 1900 for a RFID administrative code automatic reading automatic undertaking procedure as equipment for handling operation procedure processing. As opposed to the equipment 1350 shown in drawing 18 The printer section 1901 for receipt creation, the storage section 1902, coin discernment receipt-and-payment equipment 1903, bill discernment receipt-and-payment equipment 1904, card medium reading / write-in equipment 1905 for a tariff account, the handling object automatic-transferring-machine section 1906, the handling object automatical measurement metering installation section 1907 And it has the automatic tariff calculation function part 1908, and others are the same.

[0143] If a user puts the handling objects 1321-1324 for handling objects with RFID functional equipment on the handling object automatic-transferring-machine section 1906, and reaches actuation touch panel 1304 according to the display of the actuation guidance display 1901 or inputs a required matter with the actuation keyboard 1305, the handling object automatical measurement metering installation section 1907 will carry out automatic meter reading of the dimension and weight of a handling object, and will send the data to the equipment 1900 for operation procedure processing. CPU1302 makes the automatic tariff calculation function part 1908 calculate a tariff, and displays it on the actuation guidance display 1303. If a user looks at it and a prepaid card like an IC card or a magnetic card is inserted in card medium reading / write-in equipment 1905 for a tariff account, the frame equivalent to the displayed amount of money will be deducted, and a card will return. the case where there is no

card -- a coin -- and -- or the charge of a bill performs an audit with coin discernment receipt-and-payment equipment 1903 and bill discernment receipt-and-payment equipment 1904, respectively.

[0144] Thus, according to the gestalt 19 of this operation, the dimension of a delivery article handling object and automatic meter reading of weight are performed. Since a delivery article handling tariff is automatically computed according to assignment of handling classification, a destination zone, etc. and it was made to publish a voucher by the audit of a tariff RFID functional equipment can be read and a user's self-service can perform undertaking procedure processing to the computed delivery article handling tariff by performing a tariff audit by the charge of the IC card for a tariff account, an ID card, etc.

[0145] (Gestalt 20 of operation) Drawing 25 shows the gestalt 20 of the operation corresponding to claims 20 and 60 of this invention. In the gestalt of this operation, mistaken delivery etc. is prevented by sending the data about the delivery article received at the window of an undertaking station to the acceptance-inspection equipment in the next phase through an information center, and collating data. This acceptance inspection can be conducted putting the delivery article which attached RFID functional equipment into a hold container, and can be conducted with the equipment same with being shown in drawing 28.

[0146] Thus, since the delivery article handling trust entrepreneur was made to inspect at the time of receiving by collating the information acquired by reading RFID functional equipment at the time of the information acquired at the time of trust at the time of delivery article junction, and junction according to the gestalt 20 of this operation, an acceptance-inspection procedure can be performed smoothly and efficiently.

[0147] (Gestalt 21 of operation) Drawing 26 shows the gestalt 21 of the operation corresponding to claims 21 and 61 of this invention. They are an automatic reading delivery certificate and a delivery partition machine with a slip creation function. drawing 26 -- setting -- 2100 -- the RFID administrative code as equipment for handling operation procedure processing -- CPU2101, the communication link unit 2102, the actuation guidance display 2103, the actuation touch panel 2104, the actuation keyboard 2105, the partition transport-device control unit 2106 by the code reading data for a partition, the code reader 2107 for a partition, It has the RFID reader 2108 for handling article trace administrative notation number reading, the storage reader 2109, the storage section 2110, a delivery certificate (transmittal letter) or the printing issuance equipment section 2111 for slip creation, the partition transport-device section

2114, and the partition shelf 2115.

[0148] A delivery partition official in charge puts the delivery article handling object 0111 for handling objects with RFID functional equipment on the partition transport-device section 2114 according to the display of the actuation guidance display 2103. If it reaches actuation touch panel 2104 or a required matter is inputted with the actuation keyboard 2105 The data of the RFID functional equipment 0110 of the handling object 0111 with RFID functional equipment While a partition code is read by the code reader 2107 for a partition and being classified into the predetermined location of the partition shelf 2115 by the partition transport-device control unit 2106 by the code reading data for a partition, respectively The slip 2112 by partition facilities name data is published by the printing issuance equipment section 2111. Moreover, the delivery certificate 2113 by RFID reading data is published by the printing issuance equipment section 2111 based on data, such as a handling article trace administrative notation number code read by the RFID reader 2108 for handling article trace administrative notation number reading.

[0149] Thus, according to the gestalt 21 of this operation, since the delivery article handling trust entrepreneur created the delivery certificate and slip for every partition by reading RFID functional equipment at the time of a delivery article partition, he can perform smoothly and efficiently creation processing of the delivery certificate for every partition and a slip.

[0150] (Gestalt 22 of operation) Drawing 27 and drawing 28 show the gestalt 22 of the operation corresponding to claims 22 and 62 of this invention. 2200 is equipment for delivery procedure processing by RFID reading as equipment for handling operation procedure processing, and is equipped with CPU2201, the communication link unit 2202, the actuation guidance display 2203 and actuation touch panel 2203a, the actuation keyboard 2204, the RFID reader 2205 for handling article trace administrative notation number reading, the transport-device section 2207, the storage reader 2209, the storage section 2210, a delivery certificate (transmittal letter), or the printing issuance equipment section 2211 for slip creation in drawing 27 and drawing 28.

[0151] A delivery procedure official in charge puts the delivery article handling object [finishing / a delivery partition] 2208 for handling objects with RFID functional equipment on the transport-device section 2207 in the condition of having contained in the stowage container 2206, according to the display of the actuation guidance display 2203. If it actuation touch-panel 2203a Reaches or a required matter is inputted with the actuation keyboard 2204 The question electric wave 2251 is sent towards the RFID

functional equipment 0110 of the handling object 2208 with RFID functional equipment [finishing / a partition] from the RFID reader 2205 for handling article trace administrative notation number reading under equipment 2200. Data, such as a handling article trace administrative notation number code, are read by the response electric wave 2252 from RFID functional equipment 0110 with the RFID reader 2205 for handling article trace administrative notation number reading. While the slip 2212 by partition facilities name data is published by the printing issuance equipment section 2211 based on data, such as a read handling article trace administrative notation number code, the delivery certificate 2213 by RFID reading data is published. The delivery certificate 2213 by RFID reading data is held into the hold container 2206, lid 2206a is closed, and the slip 2212 by partition facilities name data is attached to the outside of the hold container 2206.

[0152] Thus, according to the gestalt 22 of this operation, since the delivery article handling trust entrepreneur created the delivery certificate and slip for every partition by reading the RFID functional equipment attached to the delivery article handling object after the delivery article partition, he can perform smoothly and efficiently creation processing of the delivery certificate for every partition and a slip.

[0153] (Gestalt 23 of operation) Drawing 29 and drawing 30 show the gestalt 23 of the operation corresponding to claims 23 and 63 of this invention. the RFID administrative code of the handling object for delivery handling objects with RFID functional equipment which showed the gestalt of this operation to drawing 26 -- instead of the delivery certificate (transmittal letter) in an automatic reading delivery certificate and the delivery partition machine 2100 with a slip creation function, or the printing issuance equipment section 2111 for slip creation While forming a delivery certificate with a RFID write-in function, or the printer section 2301 for the said slip creation It considers as the partition machine 2300 which furthermore formed the object for delivery certification, or the RFID write-in equipment section 2302 for slips. Moreover, while forming a delivery certificate with a RFID write-in function, or the printer section 2301 for the said slip creation instead of the delivery certificate (transmittal letter) in the equipment 2200 for delivery procedure processing shown in drawing 27 , or the printing issuance equipment section 2211 for slip creation It considers as the equipment 2350 for delivery procedure processing which furthermore formed the object for delivery certification, or the RFID write-in equipment section 2302 for slips. Thereby, a delivery certificate or a slip can be created every classified handling object 0111, and the delivery certificate or slip 2304 with RFID functional equipment which stuck RFID functional equipment 2303 on it can be created.

[0154] Thus, since the slip with a RFID function for every partition was created using the obtained data of the delivery certificate for every partition, or a slip according to the gestalt 23 of this operation, the delivery article for every partition is easily manageable.

[0155] (Gestalt 24 of operation) Drawing 31 shows the gestalt 24 of the operation corresponding to claims 24 and 64 of this invention. drawing 31 -- setting -- 2400 -- a seal functional possession RFID slip and 2401 -- for a maintenance guide and 2412, as for a lower case and 2421, a locking member and 2420 are [the stop section and 2410 / an upper case and 2411 / the stopped section and 2422] stopped members. After locking the upper case 2410 to a lower case 2420 by the locking member 2412, the seal of a receipt case can be performed by inserting the seal functional possession RFID slip 2400 in the maintenance guide 2411, and making the stop section 2401 engage with the stopped section 2421.

[0156] Thus, since it was made to perform the seal of a delivery article receipt case or a bag using the created slip according to the gestalt 24 of this operation, a slip can be used as a seal member.

[0157] (Gestalt 25 of operation) Drawing 32 shows the gestalt 25 of the operation corresponding to claims 25 and 65 of this invention. drawing 32 -- setting -- 2500 -- for an upper case and 2511, as for a locking member and 2520, a maintenance guide and 2512 are [the RFID slip for seals with a hole, and 2401 / the hole for seals, and 2510 / a lower case and 2530] seal supplies. After locking the upper case 2510 to a lower case 2520 by the locking member 2512, the seal of a receipt case can be performed by inserting the RFID slip 2500 for seals with a hole in the maintenance guide 2511, pressing the seal supply 2530 fit in the hole 2401 for seals, and fixing the RFID slip 2500 for seals with a hole, the upper case 2510, and a lower case 2520.

[0158] Thus, according to the gestalt 25 of this operation, it is the delivery article management method according to claim 23 characterized by giving a seal function and a slip maintenance function to a hold container, and a slip can be used as a seal member.

[0159] (Gestalt 26 of operation) Drawing 33 and drawing 34 show the gestalt 26 of the operation corresponding to claims 26 and 66 of this invention. In drawing 33 and drawing 34, the transport car loading information listing device 2600 as equipment for handling operation procedure processing forms car identification code reading recognition equipment 2601 and the slip reading RFID reader section 2602 instead of the delivery certificate (transmittal letter) in the equipment 2200 for delivery procedure processing shown in drawing 27, or the printing issuance equipment section 2211 for slip creation. The car identification code 2650 is attached in the car-body back upper part of transport facilities. Therefore, when loading a handling article into transport

facilities, transport facilities are distinguished with the car identification code reading recognition equipment 2601 of the transport car loading information listing device 2600. The code of the slip attached to the hold container of the handling article loaded from the transport facilities is read in the slip reading RFID reader section 2602. Furthermore, the handling article trace administrative notation number code of the handling article of the interior is read by the RFID reader section 2205, and the data is transmitted to the next destination via an information center 1310 and an information center 1310.

[0160] Thus, since loading related information was made to transmit to a delivery place through an information center according to the gestalt 26 of this operation when a delivery article handling trust entrepreneur read the RFID functional equipment attached to the car identification code and the delivery article handling object which were attached to the car at the time of delivery article transport initiation, acceptance procedure processing at a delivery place can be carried out smoothly and efficiently.

[0161] (Gestalt 27 of operation) Drawing 35 and drawing 36 show the gestalt 27 of the operation corresponding to claims 27 and 67 of this invention. In drawing 35 and drawing 36, the arrival acceptance-inspection equipment 2700 as equipment for handling operation procedure processing is the same as the transport car loading information listing device 2600 shown in drawing 33 and drawing 34. Therefore, when transport facilities arrive, transport facilities are distinguished with the car identification code reading recognition equipment 2601 of arrival acceptance-inspection equipment 2700. The code of the slip attached to the hold container of the handling article taken down from the transport facilities is read in the slip reading RFID reader section 2602. Furthermore, the handling article trace administrative notation number code of the handling article of the interior is read by the RFID reader section 2205, the data and delivery information sent from delivery origin are collated, and it inspects and accepts whether it is same. And the success or failure of an inspection result is transmitted to the next destination via an information center 1310 and an information center 1310.

[0162] Thus, since the delivery article handling trust entrepreneur was made to inspect at the time of receiving as compared with the loading related information sent through an information center by reading the RFID functional equipment attached to the car identification code and the delivery article handling object which were attached to the car at the time of delivery article transport termination according to the gestalt 27 of this operation, the acceptance-inspection procedure in a delivery place can be carried out smoothly and efficiently.

[0163] (Gestalt 28 of operation) Drawing 37 shows the gestalt 28 of the operation corresponding to claims 28 and 68 of this invention. It is the delivery receipt as equipment for handling operation procedure processing and this Hara mark listing device which perform RFID reading of the handling article trace administrative notation number code of the RFID functional equipment with which 2800 is attached to the handling object in drawing 37. Instead, a delivery receipt and the printer section 2801 for the said Hara mark creation are formed in the handling article trace administrative notation number printer 1502 to the printer section 1501 for receipt creation and the undertaking handling object in the equipment 1500 for reception windows shown in drawing 20. Data, such as a handling article trace administrative notation number code of the RFID functional equipment 1311 attached to the handling object article 1321-1324, are read, and a delivery receipt and this Hara mark are created by the delivery receipt and the printer section 2801 for the said Hara mark creation, and it publishes.

[0164] Thus, according to the gestalt 28 of this operation, since the delivery article handling trust entrepreneur created the delivery receipt and this Hara mark by reading data, such as a handling article trace administrative notation number code of the RFID functional equipment attached to the delivery article handling object at the time of delivery article delivery, he can perform smoothly and efficiently creation processing of a delivery receipt and this Hara mark.

[0165] (Gestalt 29 of operation) Drawing 38 shows the gestalt 29 of the operation corresponding to claims 29 and 69 of this invention. The address-and-name information automatic reading delivery partition machine 2900 as equipment for handling operation procedure processing in the gestalt of this operation The partition machine 2100 shown in drawing 26 is simplified. By the RFID reader section 2901 for RFID registration address-and-name information automatic reading of a handling object The address-and-name information registered into the RFID functional equipment 1200 for handling objects with an address-and-name information registration field is read. The delivery partition transport-device section 2903 to which the delivery partition transport-device control unit 2902 by address-and-name information reading data took the delivery article 0111 for handling based on the data is controlled. The delivery article 0111 for handling is conveyed to the position of the delivery partition shelf 2904, and is classified.

[0166] Thus, since the delivery article handling trust entrepreneur was made to perform the delivery partition by reading the destination address-and-name information registered into the RFID functional equipment attached to the delivery article handling

object at the time of delivery article delivery automatically according to the gestalt 29 of this operation, the delivery partition of a delivery article can be performed smoothly and efficiently.

[0167] (Gestalt 30 of operation) Drawing 39 shows the gestalt 30 of the operation corresponding to claims 30 and 70 of this invention. Address-and-name information automatic reading delivery partition / delivery receipt as equipment for handling operation procedure processing in the gestalt of this operation and this Hara mark creation machine 3000 add the pasting equipment section 3003 while having the configuration shown in drawing 37 and drawing 38. Among the delivery receipt Hara mark 3001 published by a delivery receipt and the printer section 2801 for the said Hara mark creation, and the delivery receipt 3002, the delivery receipt 3002 is stuck on the delivery article 0111 for handling on the delivery partition transport device section 2903 by the pasting equipment section 3003, and is classified into the predetermined location of the delivery partition shelf 2904. Pasting of the delivery receipt 3002 by the pasting equipment section 3003 may position the delivery article 0111 for handling in a predetermined location, may determine a location mechanically, may picturize the delivery article 0111 for handling using image pick-up equipment, and may determine a location from the image.

[0168] Thus, according to the gestalt 30 of this operation, a delivery article handling trust entrepreneur sets at the time of delivery article delivery. By reading data, such as destination address-and-name information registered into the RFID functional equipment attached to the delivery article handling object, and a handling article trace administrative notation number code Since a delivery receipt and this Hara mark are created and the delivery receipt was stuck on the delivery article handling object, delivery partition of a delivery article and creation processing of a delivery receipt and this Hara mark can be performed smoothly and efficiently.

[0169] (Gestalt 31 of operation) Drawing 40 shows the gestalt 31 of the operation corresponding to claims 31 and 71 of this invention. In drawing 40, 3100 adds the printer 3101 for delivery transfer vote creation to the equipment indicated by claims 28-30. Thereby, in case a delivery article handling trust entrepreneur delivers a delivery article handling object to a delivery member at the time of delivery article delivery, cut-forms for handing out procedure, such as a transfer vote, can be created, and creation processing of the cut-form for handing out procedure can be performed smoothly and efficiently.

[0170] (gestalt 32 of operation) as show in drawing 28, drawing 34, and drawing 36, the gestalt 32 of this operation constitute the equipment for handling operation

procedure processing in a gate type , pass the case or the bag which contained two or more delivery articles for the handling with RFID functional equipment for the bottom of it , and data , such as a handling article trace administrative notation number code , be read , or it be made to perform required writing .

[0171] Thus, since it enabled it to read RFID functional equipment continuously according to the gestalt 32 of this operation, moving two or more delivery article handling objects contained in the case laid on the conveyance conveyor, or the bag, RFID functional equipment can be read smoothly and efficiently.

[0172] (Gestalt 33 of operation) The gestalt 33 of operation of this invention Since the Personal Digital Assistant which a delivery member carries at the time of delivery article delivery, and has the reading function and data I/O function to FRID functional equipment as equipment for handling operation procedure processing was used as shown in drawing 4 It can work smoothly and efficiently until it is based on a turnover to transfer or a destination, an absence, receipt refusal, etc. in delivery member operation, it has, returns and has in them and it results in taking over in the office and administration building after return.

[0173] (Gestalt 34 of operation) Drawing 41 shows the gestalt 34 of the operation corresponding to claims 34 and 74 of this invention. In drawing 41 , 3200 is personal digital assistant equipment for delivery members as equipment for handling operation procedure processing for creation of the delivery receipt by reading of the handling article trace administrative notation number code registered into the RFID functional equipment attached to the handling object (PDA for delivery members), and the fundamental configuration is the same as the equipment shown in drawing 20 , and miniaturizes this in portable. This PDA3200 for delivery members is further equipped with the receipt signature hand entry force equipment section 3201, the receipt seal shading image pick-up input unit section 3202, and the printer section 3203 for receipt creation.

[0174] A delivery member carries the delivery articles 1321-1324 for handling to an addressee's domicile, and reads data, such as a handling article trace administrative notation number code of the RFID functional equipment 1311 for handling objects, with Personal Digital Assistant 3200 in the presence of an addressee there, and I display it on a display 1303, have an addressee check it, and it has a receipt sign inputted into the receipt sign hand entry force equipment section 3201 in handwriting. When the hand entry force is not made, receipt seal is got from a delivery certificate and it is inputted into the receipt seal shading image pick-up input unit section 3202. If a receipt signature or receipt seal is got, a receipt will be published by the printer section 3203 for

receipt creation.

[0175] Thus, since the electronic receipt was created by reading FRID functional equipment in the presence of an addressee in a destination, and having an addressee input the receipt sign of a check on an input screen with the Personal Digital Assistant which the delivery member carried according to the gestalt 34 of this operation, an electronic receipt can be created smoothly and efficiently.

[0176] (Gestalt 35 of operation) Drawing 42 shows the gestalt 35 of the operation corresponding to claims 35 and 75 of this invention. PDA3300 for delivery members in the gestalt of this operation adds the code reader section 3301 for addressee address recognition to PDA3200 shown in drawing 41.

[0177] the card with an addressee address recognition code for delivery procedure which the delivery member carried the delivery articles 1321-1324 for handling to an addressee's domicile, for example, was prepared in the gate of the building entry of a domicile, a door, or its outer frame -- and it has, the card with a code for addressee address recognition for return procedure is read by the code reader section 3301 for addressee address recognition, and the data is recorded.

[0178] Thus, since it was made to carry out delivery procedure and absent delivery note issuance procedure the card with an addressee address recognition code for delivery procedure which it had to a destination addressee's housing entry, and by having and reading the card with a code for addressee address recognition for return procedure by the Personal Digital Assistant which the delivery member carried according to the gestalt 35 of this operation, delivery procedure and absent delivery note issuance procedure processing can be carried out smoothly and efficiently.

[0179] (Gestalt 36 of operation) Drawing 43 shows the gestalt 36 of the operation corresponding to claims 36 and 76 of this invention. PDA3400 for delivery members in the gestalt of this operation adds the RFID write-in equipment 3401 for absent-with RFID functional equipment delivery note issuance, and the printer 3402 for absent delivery note issuance to PDA 3200 and 3300 shown in drawing 41 or drawing 42, and possesses beforehand the RFID functional equipment 3403 for absent delivery notes.

[0180] Although it carried the delivery articles 1321-1324 for handling to an addressee's domicile, when absent, a delivery member writes a predetermined matter in the RFID functional equipment 3403 for absent delivery notes with the RFID write-in equipment 3401 for absent-with RFID functional equipment delivery note issuance, puts it on an addressee's domicile and returns. When the RFID functional equipment 3403 for absent delivery notes cannot be published, an absent delivery note is published by the printer 3402 for absent delivery note issuance.

[0181] Thus, since according to the gestalt 36 of this operation it was made to publish an absent-with RFID functional equipment delivery note with the Personal Digital Assistant which the delivery member carried by writing the advice information of absent delivery in RFID functional equipment when a destination addressee was absent, a machine can perform subsequent processing easily by publishing an absent-with RFID functional equipment delivery note.

[0182] (Gestalt 37 of operation) Drawing 44 shows the gestalt 37 of the operation corresponding to claims 37 and 77 of this invention. In drawing 44, 3450 is automatic turnover equipment with a RFID functional equipment reading function as equipment for handling operation procedure processing corresponding to an absent-with RFID functional equipment delivery note. It has the same configuration as the equipment 3000 shown in drawing 39. The absent-with RFID functional equipment delivery note 3452 The RFID reader section 3451 for RFID registration information automatic reading of the absent delivery note for reading, The absent-with RFID functional equipment delivery note 3452 The incorporation transport device 3453 for incorporating, And the RFID reader section 3461 for RFID registration information automatic reading for reading the RFID functional equipment 0110 for handling objects stuck on the handling object 3462 with RFID functional equipment of absent delivery **** return, the partial delivery receipt automatic storage warehouse 3464, the taking-out transport device 3465, It has the taking-out handling object housing 3466 and the automatic closing motion door 3467 grade.

[0183] It passes through the bottom of the RFID reader section 3461 for RFID registration information automatic reading, the data registered into the RFID functional equipment 0110 for handling objects are read by the judgment receipt transport device 3463, and the handling object 3462 with RFID functional equipment which was able to have and return by the delivery member is kept in the predetermined location of the judgment receipt automatic storage warehouse 3464. On the other hand, if an addressee carries the absent-with RFID functional equipment delivery note 3452 into a delivery station, it will be incorporated, it will supply to a transport device 3452, the bottom of the RFID reader section 3451 for RFID registration information automatic reading will be passed, and data will be read. Since when CPU2101 judges this data shows the storage location of the judgment receipt automatic storage warehouse 3464 of the handling object 3462 with RFID functional equipment corresponding to this data, the handling object 3462 with RFID functional equipment can be handed over to an addressee by taking out the handling object 3462 with RFID functional equipment which controls the taking-out transport device 3465 and

corresponds, containing to the taking-out handling object housing 3466, and opening the automatic closing-motion door 3467.

[0184] Thus, since according to the gestalt 37 of this operation it was made to carry out automatic retrieval of the delivery article handling object which corresponds by reading the note when a destination addressee brought an absent-with RFID functional equipment delivery note, a delivery article can be searched easily.

[0185] (Gestalt 38 of operation) Drawing 45 shows the gestalt 38 of the operation corresponding to claims 38 and 78 of this invention. In drawing 45, 3500 is a partition machine with a taking over document creation function by RFID administrative code automatic reading as equipment for handling operation procedure processing, and, in addition to the same configuration as the equipment 2100 shown in drawing 26, is equipped with the printing issuance equipment section 3501 for allocation taking over document (receipt-cum-list) creation. When the addressees of a delivery article with the RFID function for handling objects are macrostomia addressees, such as a place of business, it is necessary to perform operation of the allocation taking over which classifies each post of a place of business. In this case, by reading data, such as a handling article trace administrative notation number code registered into the RFID functional equipment 0110 of that handling object 0111, taking over transfer procedure, a category, etc. are performed, the allocation taking-over document (a receipt-cum-list) 3502 is published by the printing issuance equipment section 3501 for allocation taking over document (receipt-cum-list) creation, it is stuck to the handling object 0111, and it classifies to the partition shelf 2115.

[0186] Thus, since it be made to perform taking over transfer procedure, a category, etc. by read the registered data of the handling article trace administrative notation number code register into RFID functional equipment, and others when according to the gestalt 38 of this operation a destination addressee classified each post in a place of business etc. as a macrostomia addressee and performed operation of allocation taking over, taking over transfer procedure, a category, etc. in a bulk user can perform easily.

[0187] (Gestalt 39 of operation) Drawing 46 adds the operator-ID code recognition equipment section 3601 to the equipment for handling operation procedure processing which shows the gestalt 39 of the operation corresponding to claims 39 and 79 of this invention, and was shown in the gestalten 1-37 of the above-mentioned implementation, and is taken as the equipment 3600 for handling operation procedure processing. The operator of the equipment 3600 for handling operation procedure processing makes a self ID code recognize with the means of an ID card and others, this code is recorded with data, such as an equipment code, handling time, and a handling article trace

administrative notation number code, and it transmits to a management pin center, large etc. as follow-up survey data.

[0188] Thus, according to the gestalt 39 of this operation, since the operator in each phase from undertaking to delivery registered the self ID code, business management and the location of charge can be clarified.

[0189] (Gestalt 40 of operation) Drawing 47 shows the gestalt 40 of the operation corresponding to claims 40 and 80 of this invention. With the gestalt of this operation, a transfer facility is given to the computer of an information center, the information acquired from undertaking by the equipment for handling operation procedure processing of a front phase in each phase to delivery is transmitted to the equipment for handling operation procedure processing of the next phase before arrival of a handling object, and the classification of a handling object, the number of objects, time, and the information on other are told.

[0190] Thus, since the data of the classification about the delivery article handling object acquired from undertaking in each phase to delivery, the amount of resources, time, and others were beforehand notified to the following delivery place through the information center according to the gestalt 40 of this operation, acceptance procedure can be performed easily.

[0191] (Gestalt 41 of operation) The gestalt 41 of this operation contains or encloses RFID functional equipment with the interior of a delivery article handling object besides sticking what attached RFID functional equipment directly or attached the RFID functional equipment concerned to the mailing label and the procedure cut-form on a delivery article handling object, or hanging with a string etc., and attaching indirectly. It can deliver in the mode suitable for the delivery article handling object which attaches RFID functional equipment by containing and carrying out the seal of the RFID functional equipment to the interior of an envelope, or containing and sealing inside a box-like container etc. Moreover, a possibility of being in the middle of delivery and losing RFID functional equipment can be lessened. In a destination, in the presence of an addressee, a delivery member opens a delivery article and collects internal RFID functional equipment.

[0192] (Gestalt 42 of operation) The gestalt 42 of this operation sticks what enclosed and carried out the seal of the RFID functional equipment to pocket-like **** which has a seal function as the approach of attachment of RFID functional equipment on the delivery article concerned. Since a printing pattern will be spoiled through an adhesive layer when it removes except a delivery member if give a printing pattern to the underside of a saccate bright film, an adhesive layer is given on it, RFID is enclosed

with the interior and it sticks on a delivery article through an adhesive layer, that someone removed turns out to be pocket-like **** which has a seal function. In a destination, a delivery member tears pocket-like **** and collects RFID(s) of contents.

[0193]

[Effect of the Invention] This invention the FRID functional equipment with communication facility using FRID (Radio Frequency Identification) which memorized the handling article trace administrative notation number code so that clearly from the gestalt of the above-mentioned implementation By sticking on trust delivery articles, such as a registered mail object and a parcel post, window undertaking by the presenting preparation office work phase by the side of a user to the delivery article handling entrepreneur, Since it was made to realize by performing data communication with the FRID functional equipment on which operation, such as delivery, delivery, a follow-up survey, other paperwork, and allocation retaining processing in a macrostomia destination, was stuck by the trust delivery article It has the effectiveness that speeding up of the processing operation in various scenes from undertaking of a delivery article to delivery, laborsaving, reveal[no]-izing, increase in efficiency, and rationalization can be attained.

[Translation done.]

* NOTICES *

JPO and NCIP are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] the RFID communication link transponder which it had to the front face of delivery article handling objects, such as a registered mail object and a parcel post, so that the informational writing and the read of ID data for RFID etc. could be performed -- and RFID functional equipment equipped with a handling article trace administrative registration-symbol number code and the record memory storage function section of other information data -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form by carrying out pasting attachment etc. to a delivery article handling object It considers as the RFID functional equipment for handling objects. So that so aforementioned the information data can be communicated to the RFID functional equipment for handling objects concerned It has many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. by equipping the interrogator list for a RFID communication link carried out with a computer as a means of a system configuration. The presenting prior preparation clerical work procedure which the bulk user who entrusts delivery articles, such as a registered mail object and a parcel post, with many equipments concerned performs, The delivery procedure inside the PD trust entrepreneurs between a window acceptor continuation and a post office etc., Delivery article handling procedure - which enabled it to perform operation processing and procedure promptly by having had the means which enabled it to perform delivery procedure, delivery **** return processing procedure, accident follow-up survey procedure, allocation in the entrepreneur of a destination, and other clerical work procedure processings Processing - Management method.

[Claim 2] The interrogator for a RFID communication link which enabled it to communicate information data so much to a handling object with the RFID functional

equipment for handling objects in claim 1, The window acceptor continuation performed inside the delivery article handling trust entrepreneur in the computer etc. by many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. in preparation for a list, The delivery procedure inside the delivery article handling trust entrepreneurs between post offices etc., delivery procedure, While transmitting the information data about operation procedure, such as operation procedure, such as delivery **** return processing procedure and accident follow-up survey procedure, or the handling object with the RFID functional equipment for handling objects dealt with to an information center and collecting the information concerned to the storage of the computer of an information center Delivery article handling procedure - which enabled it to also perform prior transfer of delivery information Processing · Management method.

[Claim 3] In claim 1 So that the writing and reading of information of ID data for RFID etc. can be performed as RFID functional equipment for handling objects in claim 1 Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article administrative registration·symbol number code which it had, and the handling article trace administrative registration·symbol number code for handling object management is written in with the equipment for handling operation procedure processing by claim 1. And delivery article handling procedure and processing - which uses the handling article trace administrative registration·symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the handling article trace administrative registration·symbol number code of a legible handling object etc. Management method.

[Claim 4] In claim 3 besides the write-in record section of a handling article trace administrative registration·symbol number code Have RFID functional equipment added and equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration·symbol number code is written in. And delivery article handling procedure - which uses the handling article trace administrative registration·symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the legible handling article trace administrative registration·symbol number code etc. Processing · Management method.

[Claim 5] In claim 1 So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects in claim 1 Have RFID functional equipment equipped with the RFID

communication link transponder and the record memory storage function section of a handling article trace administrative registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure and processing - which uses the cut-form with a handling article trace administrative registration-symbol number code in which it was the same as that of the code concerned, and human being performed the writing or printing of destination people's address and name other than printing, such as a legible handling article trace administrative registration-symbol number code, Management method.

[Claim 6] Delivery article handling procedure - which uses the cut-form with a handling article trace administrative registration-symbol number code in which it had RFID functional equipment equipped with the record memory storage function section further equipped with the record section of other information data besides the write-in record section of a handling article trace administrative registration-symbol number code in claim 5, and a handling article trace administrative registration-symbol number code wrote in, and it is the same as that of the code concerned, and human being printed a legible handling article trace administrative registration-symbol number code etc. Processing - A management method.

[Claim 7] In claim 1 So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure and processing - which uses the mailing label with a handling article trace administrative registration-symbol number code to which it was the same as that of the code concerned, and human being performed the writing of destination people's address-and-name information and printing of the information concerned other than printing, such as a legible handling object administrative registration-symbol number code, Management method.

[Claim 8] Delivery article handling procedure - which uses the RFID functional equipment for handling objects added and equipped with the information write-in field which the user who entrusts delivery article handling objects, such as a registered mail object and a parcel post, to the RFID functional equipment for handling objects further performed information writing freely in claim 7, and the user side carried out as [be / usable] Processing - Management method.

[Claim 9] In claim 1 thru/or claim 8, the delivery article trust entrepreneur side between post offices etc. records a handling article trace administrative registration-symbol number code on the RFID functional equipment for handling objects with the equipment for handling operation procedure processing for the entrepreneurs concerned so much. The code concerned A registered mail object, Delivery article handling procedure - which locks by the code and others and uses the strange RFID functional equipment for handling objects for which information is improper, and which it had like so that it cannot alter to the user side who entrusts delivery articles, such as a parcel post, Processing - Management method.

[Claim 10] It sets to claim 1 thru/or claim 9, and it is RFI for handling objects. Delivery article handling procedure - which uses the RFID functional equipment for handling objects which added and equipped D functional equipment with the registration record section of codes for delivery article handling object partition processing, such as a zip code, further, and it had so that it may process by reading the code concerned in many equipments, such as partition processing operating, such as mail, Processing - A management method.

[Claim 11] In claim 1 thru/or claim 10, it sets to the RFID functional equipment for handling objects at PD handling objects, such as mail further for a both-way communication link. Although both-way both facilities make a handling object handling administrative registration-symbol number code the same notation number when a **** addresser side also considers **** as the audit-trail handling of a registered mail etc. By having so that the code for distinction of **** or **** may be added It sets up so that the ** may be treated for the code for distinction of one of the two's **** as cancellation and operation processing may be performed, even if both are simultaneously read in the process of PD handling processing of the mail for a both-way communication link etc. in ****. Delivery article handling procedure - treated as proper [in ****, only a handling object administrative registration-symbol number code with the distinction code of **** will be read by the handling operation procedure processor in the process of PD handling processing, but] Processing - Management method.

[Claim 12] Delivery article handling procedure - which uses the RFID functional equipment for handling objects which enabled it to perform handling procedure, processing, and management of a registered mail, a parcel post, etc. by having the data registration storage region of destination address-and-name information further to the RFID functional equipment for handling objects, and using the information data concerned in claim 1 thru/or claim 11 Processing - Management method.

[Claim 13] In claim 1 thru/or 12, the code concerned is written in to the data

registration field for handling article trace administrative notation number codes in the RFID functional equipment for handling objects with the equipment by the side of PD handling entrepreneurs, such as a facilities office. The RFID function equipment for handling objects it or subsequent ones -- the write-in code concerned -- delivery article handling -- on the way -- it is alike, it sets and an alteration is impossible -- as -- the writing to the registration field concerned, and modification -- receiving -- locking -- reading -- possible -- having made -- finishing [it is dealt with and / article administrative notation number code registration] -- Or a cut-form [finishing / attachment of the equipment concerned], a label, an envelope, a postcard, the box for parcels, Delivery article handling procedure - which supplies ** to the user who entrusts delivery article handling objects, such as a registered mail object and a parcel post, obtrudes the supply concerned when a carrier beam user reads the code concerned with the equipment for users, and was made to perform a prior preliminary treatment Processing - Management method.

[Claim 14] With the equipment by the side of the user who had the RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects A registered mail object, In an application list, [between delivery article handling entrepreneur sides, such as a post office,] the user side who entrusts delivery article handling objects, such as a parcel post, in procedure, such as acknowledgement The fixed PD handling object administrative registration-symbol number code within the limit which set and was given to the user side is written in to the storage region for handling article trace administrative notation number code registration of the RFID functional equipment for handling objects by claim 1 thru/or claim 12. It is alike and set, and lock to the writing to the registration field concerned, or modification, and only reading is possible and it makes so that an alteration may be impossible. it or subsequent ones -- the write-in code concerned -- PD handling -- on the way -- Are simultaneously the same as that of the code concerned. Human being printing of a legible handling object administrative registration-symbol number code etc. and with the equipment by the side of a user Delivery article handling procedure - which was made to perform prior preparation creation of a receipt while creating the handling object [finishing / handling article trace administrative notation number code registration / by having had] for handling objects with RFID functional equipment so that it might carry out Processing - Management method.

[Claim 15] So that information data can be communicated to the RFID functional

equipment for handling objects By equipping the interrogator list for a RFID communication link carried out with a computer etc. or [reading the handling article trace administrative notation number code already written in from claim 1 to the RFID functional equipment for handling objects by claim 12 by the equipment by the side of the delivery article trust handling entrepreneur having a RFID data communication information processing function etc.] -- or When a handling article trace administrative notation number code writes in a handling article trace administrative notation number code from non-registered claim 1 to the RFID functional equipment for handling objects by claim 12, a registered mail object, Delivery article handling procedure - which publishes the receipt of delivery article handling objects, such as a parcel post, and was made to perform trust procedure Processing - Management method.

[Claim 16] In claim 15 A registered mail object, Text indicated by the mailing label directly attached to the front face of delivery article handling objects, such as a parcel post, the cut-form, etc., such as address information and a zip code, by OCR etc. Delivery article handling procedure - which was made to perform receipt issuance of a delivery article handling object using the information read and acquired and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects Processing - Management method.

[Claim 17] In claim 15 A registered mail object, On the front face of delivery article handling objects, such as a parcel post Directly Or in a mailing label, a cut-form, etc. which are attached Text indicated, such as address-and-name information and a zip code The image incorporation by all copies or partial extract copy A line is delivery article handling procedure - which was made to perform receipt issuance of a delivery article handling object using the obtained copy" image information and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects. Processing - Management method.

[Claim 18] In claim 15 A registered mail object, To delivery article handling objects, such as a parcel post The communications aerial of the interrogator for a RFID communication link for reading data, such as a handling article trace administrative notation number code by which data registration is carried out, to the attached RFID functional equipment for handling objects two or more delivery articles for handling objects with RFID functional equipment on a large scale to the Perilla frutescens (L.) Britton var. crispa (Thunb.) Decne. communication link within the circle If it reads by placing, directions actuation To within the circle [concerned] To the placed handling object To the RFID functional equipment for handling objects attached Reception

procedure processing of two or more delivery articles for handling objects with RFID functional equipment which read automatically data, such as a handling article trace administrative notation number code currently recorded, and were put on the communication link within the circle of the large-sized RFID communications antenna concerned in continuation high-speed reading Delivery article handling procedure - it enabled it to perform promptly Processing - Management method.

[Claim 19] The interrogator for a RFID communication link which enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects, The registered mail object equipped with the computer etc. for the RFID data communication information processing function etc. as a means in preparation for a list, If it considers as the self-service machine for an automatic undertaking procedure of delivery article handling objects, such as a parcel post, and the delivery article handling object with the RFID functional equipment for handling objects by claim 1 thru/or claim 12 grade is thrown in Automatic reading of the information data of the handling article trace administrative notation number code registered into the data-logging storage section of the RFID functional equipment of the object concerned and others is performed. And automatical measurement measuring of the dimension of a handling article required for calculation of a delivery article handling tariff, weight, etc. is performed. According to assignment of handling classification, a destination zone, etc., it is made to calculate a ***** handling tariff automatically. The IC card for a tariff account which it had cash or in order to step on and for an agreement with the PURIPEDO card of a card and others or a delivery article trust handling entrepreneur to perform a tariff account audit, Delivery article handling procedure - which performs a tariff clearing procedure and was made to take over delivery articles, such as a registered mail object and a parcel post, by the charge of a I D card etc. Processing - Management method.

[Claim 20] The handling object registered mail object with the RFID functional equipment for handling objects carried in from a reception window or an inbound flight, Acceptance of delivery article handling objects, such as a parcel post The reading result of the RFID functional equipment of transfer / delivery information using the information by the RFID function obtained at the time of undertaking by the means by claim 15 thru/or claim 18 grade or the claim 19 grade self-service machine when carrying out etc., and the carried-in handling object is collated. An acceptance inspection, Delivery article handling procedure - which was made to check Processing - Management method.

[Claim 21] A registered mail object, So that information data can be communicated to

the RFID functional equipment for handling objects to the partition machine used in the delivery partition operation of delivery article handling objects, such as a parcel post By equipping the interrogator list for a RFID communication link carried out with a computer etc. Delivery article handling procedure - which created the delivery certificate and slip for every partition by reading the RFID functional equipment for handling objects in the stroke of a delivery partition by having a RFID data communication information processing function etc. Processing - Management method.

[Claim 22] Delivery article handling procedure - which created the delivery certificate and the slip by having a RFID data-communication information-processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which it had in the condition were contained in the receipt case or the postbag by the delivery partition settled so that data , such as a handling article trace administrative notation number code of a handling object with RFID functional equipment , might be read Processing - Management method .

[Claim 23] Delivery article handling procedure - which performs data registration to a delivery certificate with a RFID function, or a slip with a RFID function in claim 21 thru/or claim 22 using the information acquired by the equipment concerned, and was made to perform creation of a delivery certificate with a RFID function, or a slip Processing - Management method.

[Claim 24] Delivery article handling procedure - which uses the slip equipped with the function which carries out the seal of the stowage container concerned to stowage containers, such as a postbag for delivery article handling object receipt, a receipt case or a roll pallet, and a container, by [concerned] carrying out wearing attachment to a slip and a tag equipped with the RFID function in which the data based on claim 23 were mentioned, and a tag Processing - Management method.

[Claim 25] The slip equipped with the RFID function in which the data based on claim 23 were mentioned The postbag and receipt case for delivery article handling object receipt, Or the stowage container concerned is equipped with the electrode holder for holding to stowage containers, such as a roll pallet and a container. The slip held at the electrode holder concerned is delivery article handling procedure - to which the seal of the slip which appeared from the outside surface, and had so that reading of the inclusion data of a RFID function might be possible, and was held at the electrode holder, and the hold container itself was made to be carried out together. Processing - Management method.

[Claim 26] When loading into the car of transport facilities the delivery article handling object for objects with RFID functional equipment which substituted delivery procedure

processing for the equipment by claim 21 thru/or claim 25, while reading the identification code attached to the car A computer etc. by reading RFID data, such as RFID functional equipment for handling objects, a delivery certificate with a RFID function, or a slip with a RFID function, in preparation for the interrogator list for a RFID communication link to the gate established in the delivery article handling object loading to a car Delivery article handling procedure - which was made to carry out the delivery information transmission of the loading information equipped with the RFID data communication information processing function to a delivery place Processing - Management method.

[Claim 27] Delivery article handling procedure - which collates the reading data of the inbound flight related precedence information acquired with data, such as the handling article trace administrative notation number code obtained according to the procedure processing process by reading of a delivery article handling object with RFID functional equipment performed by the means by claim 21 thru/or claim 26, and the delivery article handling object with RFID functional equipment which were unloaded from the inbound flight which actually arrived, and was made having carried out inspection inspection in the propriety of the content of an arrival Processing - A management method.

[Claim 28] Delivery article handling procedure - which created the delivery receipt and this Hara mark by having a RFID data-communication information-processing function etc., and reading data, such as a handling article trace administrative notation number code of the RFID functional equipment for handling objects, by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects Processing - Management method.

[Claim 29] Delivery article handling procedure - which was made to perform the delivery partition (classification according to destination) of the RFID functional equipment accessory style handling object for handling objects by reading the destination address-and-name information registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 12 automatically Processing - Management method.

[Claim 30] In claim 29 By reading data registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 12, such as destination address-and-name information and a handling article trace administrative notation

number code Delivery article handling procedure - which was made to perform the delivery receipt of the RFID functional equipment accessory style handling object for handling objects concerned, and this Hara mark creation Processing - In management method claim 29 By reading data registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 12, such as destination address and name information and a handling article trace administrative notation number code Delivery article handling procedure - which was made to perform the delivery receipt of the RFID functional equipment accessory style handling object for handling objects concerned, and this Hara mark creation Processing - Management method.

[Claim 31] Delivery article handling procedure - which was made to carry out automatic creation of the cut-forms for handing out procedure, such as a transfer vote delivered to the delivery person concerned in claim 28 thru/or claim 30 in case delivery article handling objects, such as a registered mail object and a parcel post, are delivered to a delivery person, Processing - Management method.

[Claim 32] Delivery article handling procedure - which read continuously the RFID functional equipment for handling objects concerned while moving two or more delivery article handling objects contained in claim 15 thru/or claim 31 in the case laid on the conveyance conveyor, or the bag Processing - Management method.

[Claim 33] Delivery article handling procedure - which a delivery member is made to carry the Personal Digital Assistant equipped with the reading function and data I/O function to the FRID functional equipment for handling objects concerned in the time of delivery article delivery in claim 1 thru/or claim 2, and inputted [were and] it made to output data at any time Processing - Management method.

[Claim 34] In claim 33, personal digital assistant equipment equipped with the reading function of the RFID functional equipment for handling objects is carried, in case a delivery member is delivery. In a destination data, such as a handling article trace administrative notation number code of a handling object with the RFID functional equipment for handling objects, in an addressee's presence with the personal digital assistant equipment concerned Have an addressee check the data displayed on the display of data reading ***** equipment, and it considers as the electronic information receipt which inputted the receipt sign according to the hand entry force etc., and registered it as completion data of delivery. Delivery article handling procedure - which transmits the completion data of delivery concerned to a main phone, and was gathered for which information and managed from the main phone concerned to the information

center etc. when it returned to an administration building Processing - Management method.

[Claim 35] The card with an addressee address recognition code for delivery procedure which it had in the door of a destination addressee's housing building entry in claim 33 thru/or claim 34, In preparation for the outside of the door of the housing building entry concerned, have in a list, and it has the reading function of the card with a code for addressee address recognition for return procedure. Delivery article handling procedure - which absent delivery note issuance etc. has in a delivery procedure list, and was made to perform return procedure by [of the code for addressee address recognition] carrying out data inclusion Processing - Management method.

[Claim 36] Delivery article handling procedure - which was made to publish an absent-with RFID functional equipment delivery note by having a data registration write-in function part to RFID functional equipment, and writing in advice information of absent delivery to an absent-with RFID functional equipment delivery note in claim 33 thru/or claim 35 by the function part concerned Processing - Management method.

[Claim 37] In claim 36, an addressee brings the absent-with RFID functional equipment delivery note published with the personal digital assistant for delivery members in administration buildings, such as a post office. The handling object for handling objects with RFID functional equipment which is equivalent to the note concerned when it supplies to the absent-with RFID functional equipment delivery note carrier inlet port of the automatic turnover equipment with a RFID functional equipment reading function corresponding to an absent-with RFID functional equipment delivery note Delivery article handling procedure - handed over automatically Processing - Management method.

[Claim 38] Delivery article handling procedure and processing - which succeeds by read the handling article trace administrative notation number code and the other record data which are register into the RFID functional equipment of the handling object concerned when classify each post in the place of business as a macrostomia recipient of the handling object with the RFID functional equipment for handling objects by claim 33 thru/or claim 37 etc. and perform operation of allocation taking over , and enabled it to perform transfer procedure , a category , etc. A management method .

[Claim 39] Delivery article handling procedure - which is made to recognize the ID code of the operator of equipment with the means of an ID card and others, records the code concerned in claim 1 thru/or claim 38 with data, such as an equipment code, a handling date, and a handling article trace administrative notation number code, and was transmitted to the management pin center,large etc. as follow-up survey data

Processing and management method.

[Claim 40] While transmitting the information data about the handling object acquired in the operation processing process to an information center in claim 1 thru/or claim 39 The classification of the handling object which transmits and sends the information data concerned to beforehand [of arrival of the handling object to a delivery place] the information-center course concerned or directly at the delivery place of a handling object, Delivery article handling procedure - which could be made to carry out information acquisition of the number of objects, time, and the information on other as prior information on handling object arrival Processing - Management method.

[Claim 41] the RFID communication link transponder which it had to the front face of delivery article handling objects, such as a registered mail object and a parcel post, so that the informational writing and the read of ID data for RFID etc. could be performed -- and RFID functional equipment equipped with a handling article trace administrative registration-symbol number code and the record memory storage function section of other information data -- direct -- attachment -- or What attached the RFID functional equipment concerned to the mailing label and the procedure cut-form by carrying out pasting attachment etc. to a delivery article handling object It considers as the RFID functional equipment for handling objects. So that so aforementioned the information data can be communicated to the RFID functional equipment for handling objects concerned It has many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. by equipping the interrogator list for a RFID communication link carried out with a computer as a means of a system configuration. The presenting prior preparation clerical work procedure which the bulk user who entrusts delivery articles, such as a registered mail object and a parcel post, with many equipments concerned performs, The delivery procedure inside the PD trust entrepreneurs between a window acceptor continuation and a post office etc., Delivery article handling procedure - which it had so that operation processing and procedure could be promptly performed by having had the means which enabled it to perform delivery procedure, delivery **** return processing procedure, accident follow-up survey procedure, allocation in the entrepreneur of a destination, and other clerical work procedure processings Processing - Management equipment.

[Claim 42] The interrogator for a RFID communication link which enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects in claim 41, The window acceptor continuation performed inside the delivery article handling trust entrepreneur in the computer etc.

by many equipments for handling operation procedure processing equipped with the RFID data communication information processing function etc. in preparation for a list, The delivery procedure inside the delivery article handling trust entrepreneurs between post offices etc., delivery procedure, While transmitting the information data about operation procedure, such as operation procedure, such as delivery **** return processing procedure and accident follow-up survey procedure, or the handling object with the RFID functional equipment for handling objects dealt with to an information center and collecting the information concerned to the storage of the computer of an information center Delivery article handling procedure - equipped with the information system equipped with the information communication network which it had so that prior transfer of delivery information could also be performed as a means of a system configuration Processing - Management equipment.

[Claim 43] In claim 41 So that the writing and reading of information of ID data for RFID etc. can be performed as RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article administrative registration-symbol number code which it had, and the handling article trace administrative registration-symbol number code for handling object management is written in with the equipment for handling operation procedure processing by claim 1. And delivery article handling procedure - equipped with the handling article trace administrative registration-symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the handling article trace administrative registration-symbol number code of a legible handling object etc. as a means of a system configuration Processing - Management equipment.

[Claim 44] In claim 43 besides the write-in record section of a handling article trace administrative registration-symbol number code Have RFID functional equipment added and equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration-symbol number code is written in: And delivery article handling procedure - equipped with the handling article trace administrative registration-symbol number code label with which it was the same as that of the code concerned with the label, and human being printed the legible handling article trace administrative registration-symbol number code etc. as a means of a system configuration Processing - Management equipment.

[Claim 45] In claim 41 So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for

handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. The cut-form with a handling article trace administrative registration-symbol number code in which it was the same as that of the code concerned, and human being performed the writing or printing of destination people's address and name other than printing, such as a legible handling article trace administrative registration-symbol number code, and as a means of a system configuration Delivery article handling procedure - which it had Processing - Management equipment.

[Claim 46] In claim 45 Others [record section / of a handling article trace administrative registration-symbol number code / write-in], Have RFID functional equipment equipped with the record memory storage function section furthermore equipped with the record section of other information data, and a handling article trace administrative registration-symbol number code is written in. And delivery article handling procedure - equipped with the cut-form with a handling article trace administrative registration-symbol number code in which it was the same as that of the code concerned, and human being printed the legible handling article trace administrative registration-symbol number code etc. as a means of a system configuration Processing - Management equipment.

[Claim 47] In claim 41 So that the informational writing and the read of ID data for RFID etc. can be performed as what changes to the RFID functional equipment for handling objects Have RFID functional equipment equipped with the RFID communication link transponder and the record memory storage function section of a handling article trace administrative registration-symbol number code which it had, and a handling article trace administrative registration-symbol number code is written in. The mailing label with a handling article trace administrative registration-symbol number code to which it was the same as that of the code concerned, and human being performed the writing of destination people's address-and-name information and printing of the information concerned other than printing, such as a legible handling object administrative registration-symbol number code, and as a means of a system configuration Delivery article handling procedure - which it had Processing - Management equipment.

[Claim 48] Delivery article handling procedure - equipped with the RFID functional equipment for handling objects added and equipped with the information write-in field which the user who entrusts delivery article handling objects, such as a registered mail

object and a parcel post, to the RFID functional equipment for handling objects in claim 47 further performed information writing freely, and the user side carried out as [be / usable] as a means of a system configuration Processing - Management equipment.

[Claim 49] In claim 41 thru/or claim 48, the delivery article trust entrepreneur side between post offices etc. records a handling article trace administrative registration-symbol number code on the RFID functional equipment for handling objects with the equipment for handling operation procedure processing for the entrepreneurs concerned so much. The code concerned A registered mail object, Delivery article handling procedure - which locked by the code and others and was equipped with the strange RFID functional equipment for handling objects for which information is improper, and which it had like as a means of a system configuration so that it could not alter to the user side who entrusts delivery articles, such as a parcel post, Processing - Management equipment.

[Claim 50] Delivery article handling procedure - equipped with the RFID functional equipment for handling objects which added and equipped the RFID functional equipment for handling objects with the registration record section of codes for delivery article handling object partition processing, such as a zip code, further in claim 41 thru/or claim 49, and it had so that it may process by reading the code concerned in many equipments, such as partition processing operating, such as mail, as a means of a system configuration Processing - Management equipment.

[Claim 51] In claim 41 thru/or claim 50, it sets to the RFID functional equipment for handling objects at PD handling objects, such as mail further for a both-way communication link. Although both-way both facilities make a handling object handling administrative registration-symbol number code the same notation number when a **** addresser side also considers **** as the audit-trail handling of a registered mail etc. By having so that the code for distinction of **** or **** may be added It sets up so that the ** may be treated for the code for distinction of one of the two's **** as cancellation and operation processing may be performed, even if both are simultaneously read in the process of PD handling processing of the mail for a both-way communication link etc. in ****. Delivery article handling procedure - characterized by having so that it may treat as proper [in ****, only a handling object administrative registration-symbol number code with the distinction code of **** will be read by the handling operation procedure processor in the process of PD handling processing, but] Processing - Management equipment.

[Claim 52] Delivery article handling procedure - which was further equipped with the data registration storage region of destination address-and-name information to the

RFID functional equipment for handling objects, and was equipped with the RFID functional equipment for handling objects which enabled it to perform handling procedure, processing, and management of a registered mail, a parcel post, etc. by using the information data concerned as a means of a system configuration in claim 41 thru/or claim 51 Processing - Management equipment.

[Claim 53] The code concerned is written in to the data registration field for handling article trace administrative notation number codes in claim 41 thru/or the RFID functional equipment for handling objects of 52 with the equipment by the side of PD handling entrepreneurs, such as a facilities office. The RFID function equipment for handling objects it or subsequent ones -- the write-in code concerned -- delivery article handling -- on the way -- it is alike, it sets and an alteration is impossible -- as -- the writing to the registration field concerned, and modification -- receiving -- locking -- reading -- possible -- having made -- finishing [it is dealt with and / article administrative notation number code registration] -- Or a cut-form [finishing / attachment of the equipment concerned], a label, an envelope, a postcard, the box for parcels, ** is supplied to the user who entrusts delivery article handling objects, such as a registered mail object and a parcel post. Delivery article handling procedure - equipped with the equipment for users which entrusts handling **** which it had so that the supply concerned might be obtruded when a carrier beam user reads the code concerned with the equipment for users, and a prior preliminary treatment might be performed, such as a registered mail object and a parcel post, as a means of a system configuration Processing - Management equipment.

[Claim 54] With the equipment by the side of the user who had the RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects A registered mail object, In an application list, [between delivery article handling entrepreneur sides, such as a post office,] the user side who entrusts delivery article handling objects, such as a parcel post, in procedure, such as acknowledgement The fixed PD handling object administrative registration-symbol number code within the limit which set and was given to the user side is written in to the storage region for handling article trace administrative notation number code registration of the RFID functional equipment for handling objects by claim 41 thru/or claim 52: It is alike and set, and lock to the writing to the registration field concerned, or modification, and only reading is possible and it makes so that an alteration may be impossible. it or subsequent ones -- the write-in code concerned -- PD handling -- on the way -- Are simultaneously the same as that of the

code concerned. Human being printing of a legible handling object administrative registration symbol number code etc. and with the equipment by the side of a user The registered mail object which it had so that prior preparation creation of a receipt might also be performed, while creating the handling object [finishing / handling article trace administrative notation number code registration / by having had] for handling objects with RFID functional equipment so that it may carry out, Delivery article handling procedure - equipped with the equipment for users which entrusts delivery article handling objects, such as a parcel post, as a means of a system configuration Processing - Management equipment.

[Claim 55] So that information data can be communicated to the RFID functional equipment for handling objects By equipping the interrogator list for a RFID communication link carried out with a computer etc. or [reading the handling article trace administrative notation number code already written in from claim 41 to the RFID functional equipment for handling objects by claim 52 by the equipment by the side of the delivery article trust handling entrepreneur having a RFID data communication information processing function etc.] -- or When a handling article trace administrative notation number code writes in a handling article trace administrative notation number code from non-registered claim 41 to the RFID functional equipment for handling objects by claim 52, a registered mail object, Delivery article handling procedure - equipped with the equipment for delivery article trust handling entrepreneur reception windows which it had so that the receipt of delivery article handling objects, such as a parcel post, might be published and trust procedure might be performed as a means of a system configuration Processing - Management equipment.

[Claim 56] In claim 55 A registered mail object, Text indicated by the mailing label directly attached to the front face of delivery article handling objects, such as a parcel post, the cut-form, etc., such as address information and a zip code, by OCR etc. So that receipt issuance of a delivery article handling object may be performed using the information read and acquired and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects Delivery article handling procedure - equipped with the equipment for delivery article trust handling entrepreneur reception windows which it had as a means of a system configuration Processing - Management equipment.

[Claim 57] In claim 55 A registered mail object, On the front face of delivery article handling objects, such as a parcel post Directly Or in a mailing label, a cut-form, etc. which are attached Text indicated, such as address-and-name information and a zip

code The image incorporation by all copies or partial extract copy So that a line may perform receipt issuance of a delivery article handling object using the obtained copy" image information and the information on the handling article trace administrative notation number code written in the RFID functional equipment for handling objects Delivery article handling procedure - equipped with the equipment for delivery article trust handling entrepreneur reception windows which it had as a means of a system configuration Processing - Management equipment.

[Claim 58] In claim 55 A registered mail object, To delivery article handling objects, such as a parcel post The communications aerial of the interrogator for a RFID communication link for reading data, such as a handling article trace administrative notation number code by which data registration is carried out, to the attached RFID functional equipment for handling objects two or more delivery articles for handling objects with RFID functional equipment on a large scale to the Perilla frutescens (L.) Britton var. crispa (Thunb.) Decne. communication link within the circle If it reads by placing, directions actuation To within the circle [concerned] To the placed handling object To the RFID functional equipment for handling objects attached Reception procedure processing of two or more delivery articles for handling objects with RFID functional equipment which read automatically data, such as a handling article trace administrative notation number code currently recorded, and were put on the communication link within the circle of the large-sized RFID communications antenna concerned in continuation high-speed reading Delivery article handling procedure - equipped with the equipment for reception windows for delivery article trust handling entrepreneurs which it had so that it could carry out promptly as a means of a system configuration Processing - Management equipment.

[Claim 59] The interrogator for a RFID communication link which enabled it to communicate information data so much to a handling object with the RFID functional equipment for handling objects, The registered mail object equipped with the computer etc. for the RFID data communication information processing function etc. as a means in preparation for a list, If it considers as the self-service machine for an automatic undertaking procedure of delivery article handling objects, such as a parcel post, and the delivery article handling object with the RFID functional equipment for handling objects by claim 41 thru/or claim 52 grade is thrown in Automatic reading of the information data of the handling article trace administrative notation number code registered into the data-logging storage section of the RFID functional equipment of the object concerned and others is performed. And automatical measurement measuring of the dimension of a handling article required for calculation of a delivery article handling

tariff, weight, etc. is performed. According to assignment of handling classification, a destination zone, etc., it is made to calculate a ***** handling tariff automatically. The IC card for a tariff account which it had cash or in order to step on and for an agreement with the PURIPEDO card of a card and others or a delivery article trust handling entrepreneur to perform a tariff account audit, The charge of a I D card etc. performs a tariff clearing procedure. A registered mail object, Delivery article handling procedure equipped with the self-service machine for an automatic undertaking procedure of delivery article handling objects, such as a registered mail object and a parcel post, which it had so that delivery articles, such as a parcel post, might be taken over as a means of a system configuration Processing - Management equipment.

[Claim 60] The handling object registered mail object with the RFID functional equipment for handling objects carried in from a reception window or an inbound flight, Acceptance of delivery article handling objects, such as a parcel post The reading result of the RFID functional equipment of transfer / delivery information using the information by the RFID function obtained at the time of undertaking by the means by claim 55 thru/or claim 58 grade or the claim 59 grade self-service machine when carrying out etc., and the carried-in handling object is collated. An acceptance inspection, Delivery article handling procedure - equipped with the equipment which it had so that it might check as a means of a system configuration Processing - Management equipment.

[Claim 61] A registered mail object, So that information data can be communicated to the RFID functional equipment for handling objects to the partition machine used in the delivery partition operation of delivery article handling objects, such as a parcel post By equipping the interrogator list for a RFID communication link carried out with a computer etc. The registered mail equipped with equipment equipped with a means to create the delivery certificate and slip for every partition by reading the RFID functional equipment for handling objects in the stroke of a delivery partition by having a RFID data communication information processing function etc., as a means of a system configuration, Handling procedures [, such as a parcel post,] - Processing - Management equipment.

[Claim 62] delivery article handling procedure - equipped with equipment equipped with a means create a delivery certificate and a slip by have a RFID data communication information processing function etc. by equip with a computer etc. the interrogator list for a RFID communication link which it had in the condition be contained in a receipt case or a postbag by the delivery partition settled so that data , such as the handling article trace administrative notation number code of a handling

object with RFID functional equipment , may read , as a means of a system configuration processing - management equipment .

[Claim 63] Delivery article handling procedure - equipped with the equipment which it had so that data registration might be performed to a delivery certificate with a RFID function, or a slip with a RFID function in claim 61 thru/or claim 62 using the information acquired by the equipment concerned and creation of a delivery certificate with a RFID function or a slip might be performed as a means of a system configuration Processing - Management equipment.

[Claim 64] Delivery article handling procedure - equipped with the slip equipped with the function which carries out the seal of the stowage container concerned to stowage containers, such as a postbag for delivery article handling object receipt, a receipt case or a roll pallet, and a container, by [concerned] carrying out wearing attachment to a slip and a tag equipped with the RFID function in which the data based on claim 63 were mentioned, or the tag as a means of a system configuration Processing - Management equipment.

[Claim 65] The slip equipped with the RFID function in which the data based on claim 63 were mentioned The postbag and receipt case for delivery article handling object receipt, Or the stowage container concerned is equipped with the electrode holder for holding to stowage containers, such as a roll pallet and a container. The slip held at the electrode holder concerned appears from an outside surface, and so that reading of the inclusion data of a RFID function may be possible Delivery article handling procedure - equipped with the slip and hold container which it had so that the seal of the slip and the hold container itself which was held at the preparation and the electrode holder might be carried out together, and the seal supply as a means of a system configuration Processing - Management equipment.

[Claim 66] When loading into the car of transport facilities the delivery article handling object for objects with RFID functional equipment which substituted delivery procedure processing for the equipment by claim 61 thru/or claim 65, while reading the identification code attached to the car A computer etc. by reading RFID data, such as RFID functional equipment for handling objects, a delivery certificate with a RFID function, or a slip with a RFID function, in preparation for the interrogator list for a RFID communication link to the gate established in the delivery article handling object loading to a car Delivery article handling procedure - equipped with the system means which carries out the delivery information transmission of the loading information equipped with the RFID data communication information processing function to a delivery place as a means of a system configuration Processing - Management

equipment.

[Claim 67] According to the procedure processing process by reading of a delivery article handling object with RFID functional equipment performed by the means by claim 61 thru/or claim 66 With data, such as a handling article trace administrative notation number code obtained So that the reading data of the acquired inbound flight related precedence information and the delivery article handling object with RFID functional equipment unloaded from the inbound flight which actually arrived may be collated and inspection inspection of the propriety of the content of an arrival may be carried out Delivery article handling procedure - equipped with arrival acceptance-inspection equipment equipped with the means carried out as a means of a system configuration Processing - Management equipment.

[Claim 68] It has a RFID data communication information processing function etc. by equipping with a computer etc. the interrogator list for a RFID communication link which enabled it to communicate information data to the RFID functional equipment for handling objects. Delivery article handling procedure - equipped with the means which it had so that a delivery receipt and this Hara mark might be created by reading data, such as a handling article trace administrative notation number code of the RFID functional equipment for handling objects, as a means of a system configuration Processing - Management equipment.

[Claim 69] Delivery article handling procedure - equipped with the delivery partition machine which it had so that the delivery partition of the RFID functional equipment accessory style handling object for handling objects might be automatically performed by reading the destination address-and-name information registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 52 as a means of a system configuration Processing - Management equipment.

[Claim 70] In claim 69 By reading data registered into the RFID functional equipment for handling objects concerned in the PD handling object which attached the RFID functional equipment for handling objects by claim 52, such as destination address-and-name information and a handling article trace administrative notation number code Delivery article handling procedure - equipped with the delivery procedure processor which it had so that the delivery receipt of the RFID functional equipment accessory style handling object for handling objects concerned and this Hara mark creation might be performed as a means of a system configuration Processing - Management equipment.

[Claim 71] Delivery article handling procedure - equipped with the equipment added

and equipped with the function which carries out automatic creation of the cut-forms for handing out procedure, such as a transfer vote delivered to the delivery person concerned in case delivery article handling objects, such as a registered mail object and a parcel post, are further delivered to the equipment by claim 68 thru/or claim 70 at a delivery person, as a means of a system configuration Processing - Management equipment.

[Claim 72] Delivery article handling procedure and processing / management equipment with which the equipment for handling operation procedure processing be characterize by to be form in a gate type so that the RFID functional equipment for handling objects concerned may be read continuously , move two or more delivery article handling objects contained in the case laid on the conveyance conveyor , or the bag in claim 55 thru/or claim 71 .

[Claim 73] Delivery article handling procedure and processing / management equipment equipped with the Personal Digital Assistant which a delivery member carries at the time of delivery article delivery, and has the reading function and data I/O function to the FRID functional equipment for handling objects concerned as equipment for handling operation procedure processing in claim 1 thru/or claim 2 as a means of a system configuration.

[Claim 74] In claim 73, personal digital assistant equipment equipped with the reading function of the RFID functional equipment for handling objects is carried, in case a delivery member is delivery. In a destination data, such as a handling article trace administrative notation number code of a handling object with the RFID functional equipment for handling objects, in an addressee's presence with the personal digital assistant equipment concerned I have an addressee check the data displayed on the display of data reading ***** equipment, and it has so that it may consider as the electronic information receipt which inputted the receipt sign according to the hand entry force etc., and registered it as completion data of delivery. Delivery article handling procedure - equipped with the personal digital assistant for delivery members which it had so that the completion data of delivery concerned might be transmitted to a main phone and it might gather information and manage from the main phone concerned to an information center etc., when it returned to an administration building as a means of a system configuration Processing - Management equipment.

[Claim 75] The card with an addressee address recognition code for delivery procedure which it had in the door of a destination addressee's housing building entry in claim 73 thru/or claim 74, In preparation for the outside of the door of the housing building entry concerned, have in a list, and it has the reading function of the card with a code for

addressee address recognition for return procedure. Delivery article handling procedure and processing - equipped with the personal digital assistant for delivery members which it had so that absent delivery note issuance etc. might have in a delivery procedure list and return procedure might be performed by [of the code for addressee address recognition] carrying out data inclusion as a means of a system configuration Management equipment.

[Claim 76] Delivery article handling procedure - which was equipped with the data registration write-in function part to RFID functional equipment, and was equipped with the personal digital assistant for delivery members which was made to publish an absent-with RFID functional equipment delivery note by writing in advice information of absent delivery to an absent-with RFID functional equipment delivery note by the function part concerned as a means of a system configuration in claim 73 thru/or claim 75 Processing - Management equipment.

[Claim 77] In claim 76, an addressee brings the absent-with RFID functional equipment delivery note published by the equipment concerned in administration buildings, such as a post office. The handling object for handling objects with RFID functional equipment which is equivalent to the note concerned when it supplies to the absent-with RFID functional equipment delivery note carrier inlet port of the automatic turnover equipment with a RFID functional equipment reading function corresponding to an absent-with RFID functional equipment delivery note Delivery article handling procedure - equipped with the equipment handed over automatically as a means of a system configuration Processing - Management equipment.

[Claim 78] In the place of business as a macrostomia recipient of the handling object with the RFID functional equipment for handling objects by claim 73 thru/or claim 77 etc. The handling article trace administrative notation number code registered into the RFID functional equipment of the handling object concerned when classifying each post and performing operation of allocation taking over, Delivery article handling procedure - equipped with the equipment which it had so that it might succeed by reading other recorded data and transfer procedure, a category, etc. could be performed as a means of a system configuration Processing - Management equipment.

[Claim 79] Delivery article handling procedure - equipped with the equipment which it had so that the ID code of the operator of equipment might be made to recognize with the means of an ID card and others, the code concerned might be recorded in claim 41 thru/or claim 78 with data, such as an equipment code, a handling date, and a handling article trace administrative notation number code, and it might transmit to a management pin center,large etc. as follow-up survey data as a means of a system

configuration Processing - Management equipment.

[Claim 80] While transmitting the information data about the handling object acquired in the operation processing process to an information center in claim 41 thru/or claim 79 The classification of the handling object which transmits and sends the information data concerned to beforehand [of arrival of the handling object to a delivery place] the information-center course concerned or directly at the delivery place of a handling object, Delivery article handling procedure - which it had so that prior preparations of the acceptance processing operation of the number of objects, time, and the handling object that is equipped with the means which it had so that the information acquisition of the information on other could be carried out as prior information on handling object arrival as a means of a system configuration, and arrives could be made Processing - Management equipment.

[Claim 81] Delivery article handling procedure - which contained or enclosed RFID functional equipment with the interior of a delivery article handling object besides carrying out pasting attachment of what attached the RFID functional equipment concerned for RFID functional equipment to attachment or the mailing label, and the procedure cut-form directly in claim 1 thru/or claim 40 at a delivery article handling object Processing - Management method.

[Claim 82] Delivery article handling procedure - which stuck what enclosed and carried out the seal of the RFID functional equipment to pocket-like **** which has a seal function besides carrying out pasting attachment of what attached the RFID functional equipment concerned for RFID functional equipment to attachment or the mailing label, and the procedure cut-form directly in claim 1 thru/or claim 40 at a delivery article handling object on the delivery article concerned Processing - Management method.

[Claim 83] Delivery article handling procedure - which contained or enclosed RFID functional equipment with the interior of a delivery article handling object besides carrying out pasting attachment of what attached the RFID functional equipment concerned for RFID functional equipment to attachment or the mailing label, and the procedure cut-form directly in claim 41 thru/or claim 80 at a delivery article handling object Processing - Management equipment.

[Claim 84] Delivery article handling procedure - which stuck what enclosed and carried out the seal of the RFID functional equipment to pocket-like **** which has a seal function besides carrying out pasting attachment of what attached the RFID functional equipment concerned for RFID functional equipment to attachment or the mailing label, and the procedure cut-form directly in claim 41 thru/or claim 80 at a delivery article handling object on the delivery article concerned Processing - Management equipment.

[Translation done.]